

2. RETROSPECTIVE ANALYSIS OF AMBIENT DATA

This section examines key air quality parameters that provide insights into the underlying causes for the weekend effect in the South Coast Air Basin. To identify these parameters, the day-of-the-week variations in the diurnal behavior of ozone, nitric oxide (NO), nitrogen dioxide (NO_2)¹, carbon monoxide (CO), and nonmethane hydrocarbons (NMHC) were examined for Azusa for the summers of 1995 to 1997. We particularly focused on day-of-the-week differences in the overnight carryover of ozone precursors, inhibition of ozone formation during the morning due to titration with NO, and correlations between the VOC/NOx ratio and the rate of ozone accumulation. These parameters are examined for monitoring stations in the SoCAB with complete O_3 , NOx, and CO data from 1981 to 1998.

2.1 Exploratory Analysis of the Weekend Effect in Azusa

The diurnal cycle of pollutant concentrations consists of four periods: carryover, ozone inhibition, ozone accumulation, and post-ozone maximum. Our conceptual explanation of the weekend effect and retrospective data analysis is based on comparing the day-of-the-week variations in the diurnal behavior of ozone and precursor concentrations in these four phases of the diurnal cycle.

Figure 2.1-1 shows the average diurnal variations of ozone, nitric oxide (NO), nitrogen dioxide (NO_2), and carbon monoxide (CO) at Azusa for summer 1995. During the carry-over phase, there is little difference in concentrations of NO_2 and O_3 between weekend and weekday. NO is slightly higher on weekends and CO is about 25% higher on weekends. Although carry-over of ozone precursors is higher on weekends, the differences are relatively small compared to the higher weekday concentrations of ozone precursors during the morning commute periods. Fresh NO emissions during this period inhibit radical formation by titrating ozone with NO. During this inhibition period formaldehyde (HCHO) and, to a lesser extent, nitrous acid (HONO) are the main source of HO radicals. We used the time in the morning when NO and O_3 crosses over (i.e., $t_{\text{NO}=\text{O}_3}$) as a marker for the end of the inhibition period and beginning of O_3 production via conversion of NO to NO_2 by peroxy radical. Note in Figure 2.1-1 that the crossover occurs an hour earlier on weekends. Thus ozone formation begins earlier on weekends. This is one reason why ozone is higher on weekends.

Another reason for higher ozone on weekends may be due to differences in rate of ozone accumulation between weekdays and weekends during the ozone accumulation period. Duration of ozone accumulation was estimated by the difference between time of maximum ozone (t_{maxO_3}) and $t_{\text{NO}=\text{O}_3}$. The rate of ozone accumulation (ppb/hour) is the increase in ozone from $t_{\text{NO}=\text{O}_3}$ to t_{maxO_3} divided by the duration of ozone accumulation. Figure 2.2-2 shows higher VOC/NOx ratios during weekends, which may result in higher rates of ozone formation. Ozone is higher on weekends at Azusa because the duration of ozone accumulation is longer and the rate of ozone accumulation is higher. We examined these statistics for twelve monitoring sites throughout the

¹ NO_2 is determined by the difference of NOx and NO measured by chemiluminescence analyzers. In addition to NO_2 , analyzers that are commonly used at air quality monitoring stations also convert other reactive nitrogen oxide species such as peroxyacetyl nitrate (PAN) to NO, thereby causing interference. NO_2 reported by these instruments must be considered upper limits. The magnitude of the interference is relatively small in urban areas where NO sources are large, but can be substantial in rural areas.

basin for the period 1981 to 1999 to develop a conceptual explanation that accounts for the spatial and temporal variations in the strength of the weekend effect.

2.2 Data Compilation and Validation

Air quality data for summers (June 1 to September 30) of 1981 to 1998 were read from the latest (February 2000) ARB ambient data CD. All missing records for each year were inserted with the missing values given -99 to obtain a complete set of 8760 hours for each year (8784 for leap years). All blank data fields within existing records were also assigned -99. Each variable in each record was assigned a flag according to the following scheme:

- 0 – Valid data
- 1 – Estimated
- 2 – Interpolated
- 7 – Suspicious value
- 8 – Invalid
- 9 – Missing, -99 assigned to the data field as well.

A data validation program was written in MS-DOS Fortran and operated on individual years. A log file for each year was produced documenting suspicious and invalid data with date, time, and station (ADAM#) and reason for flagging. (Note: upon request, these log files can be provided to ARB for further grooming of their database.) All concentration values were checked as follows:

- Any negative concentration was flagged invalid.
- NOx values had to equal the sum of NO+NO2. All three values were flagged 7 if NOx was not equal to the sum.
- Any ozone value greater than 0.5 ppm was flagged as suspicious.
- Any NOx value greater 0.5 ppm was flagged as suspicious.
- Any CO value greater than 50 ppm was flagged as suspicious.

When forming composite averages by day of week, holidays were removed if driving patterns may have been influenced by the holiday. The following rules were followed:

- Removed Fri-Tue for Memorial Day and Labor Day which always fall on Mondays;
- Removed Thu-Mon if July 4th fell on Fri or Sat, or removed Fri-Tues if it fell on Sun or Mon, or removed day of and following day if it fell on Tue, Wed, or Thu.

Table 2.2-1 shows a list of the key daily parameters of interest. Values of pollutants from 3-4 PST are surrogates for carry-over from the previous day. Values of pollutants from 5-8 PST represent the morning commute. The end of the ozone inhibition period, defined to be the time at which $[NO]=[O_3]$, is found by computing the difference $[NO]-[O_3]$ from 6-13 PST and finding the hour t at which this difference transitions from greater than to less than zero. The

interpolation involves the intersection of the two line segments represented by the waning NO and the waxing O₃. Each variable was computed as defined in Table 2.2-1.

Non-methane hydrocarbons (NMHC) were estimated from CO using an empirical relationship between NMHC and CO from canister samples collected by Desert Research Institute at three sites in the SoCAB during the summers of 1995 and 1996 (Zielinska et al. 1999). DRI collected canister and DNPH cartridge samples twice daily (6-9 a.m. and 1-4 p.m. PDT) at downtown Los Angeles, Burbank and Azusa during six, seven-day periods during each summer (504 samples). The canister samples were analyzed for methane, CO, CO₂, and speciated C₂ to C₁₂ hydrocarbons. Figure 2.2-1 shows scatterplots of CO versus NMHC for each of the three sampling sites and with data combined from all three sites. The R-squares of the regression range from 0.84 to 0.93. These correlations suggest a common source for CO and NMHC. The zero intercepts at CO equal to 40 - 90 ppbC NMHC indicate the contributions other than mobile are relatively small near each of the three monitoring sites. We assume that estimates of NMHC estimated from regression of CO with NMHC for 1995 and 1996 are reasonably valid for determining day-of-the-week variations in NMHC concentrations and NMHC/NOx ratios for any year within the 18-year period of interest. However, they are probably not valid for establishing long-term trends in NMHC and NMHC/NOx ratios because the slope of the regression between CO and NMHC may have changed over time with changing emission control technology.

Appendix A contains a full compilation of the annual summer averages of the air quality parameters by site and day-of-the-week with standard errors and numbers of observations. Monitoring sites include: N. Long Beach, Anaheim, Lynwood, and Los Angeles-N. Main on the western SoCAB; Reseda, Burbank, Pico Rivera, and La Habra in the central SoCAB; and Azusa, Pomona, Upland, and Rubidoux in the eastern SoCAB. In the following discussion, the annual averages are averaged into four time periods covering the years 1981-84, 1985-89, 1990-94, and 1995-98.

2.3 Day-of-the-Week Variation in Ozone Concentrations

The average maximum 1-hour ozone concentrations by day-of-the-week during summer are shown for twelve sites in Table 2.3-1 and displayed as line plots in Figure 2.3-1. It is readily evident from the line plots that the weekend effect has changed significantly over the past 18 years. In the period 1981-84, ozone levels were higher on weekdays in most of the central and eastern portions of the basin. Most monitoring sites in the western basin showed slightly higher weekend ozone concentrations. The weekend effect remained relatively weak during 1985-89 with a pronounced dip in ozone concentrations on Mondays. Weekend ozone values were not statistically different from Tuesday-Friday values at most sites in the central and eastern basin. By 1990-94, ozone concentrations were higher on weekend throughout the basin and the weekend effect continued to strengthen during 1995-98. The average Sunday/Wednesday ozone ratios for all twelve site for the periods 1981-84, 1985-89, 1990-94, and 1995-98 are 1.00, 1.02, 1.18 and 1.26, respectively. The corresponding Saturday/Wednesday ozone ratios are 1.03, 1.04, 1.17, and 1.24, respectively.

The ozone concentrations in 1995-98 expressed as ratios of 1981-84 values range from 0.54 to 0.59 on Monday through Friday, 0.67 on Saturday, and 0.70 on Sunday. Larger

reductions in peak ozone concentrations have occurred on weekdays. The differences among the twelve sites in average peak 1-hour ozone are significantly smaller now than in years past due to larger reductions in the central portion of the basin.

2.4 Carry-over of Ozone Precursors

The average 3-4 a.m. (PST) NO, NO₂, NO₂/NOx, and NMHC by day-of-the-week are shown for twelve sites in Tables 2.4-1 to 2.4-4, respectively, and are displayed as line plots in Figures 2.4-1 to 2.4-4. The overnight carryover of NO is lower on Sunday and Monday mornings and higher at the end of the week on Friday and Saturday. NO carryover is 10-20 percent lower on Sunday and Monday relative to midweek and about 10-15 percent higher on Friday and Saturday mornings. Overnight carryover of NMHC is greatest on Saturday and Sunday mornings with ratios to Wednesday of 1.20 and 1.12, respectively, and least on Monday mornings. Higher carryover of NMHC on Sunday relative to Wednesday coupled with lower relative carry-over of NO suggests that the carryover of NO and NMHC emissions may be driven by different sources. With the exception of a Monday dip during 1981-84, NO₂ shows no significant day-of-the-week differences.

The magnitude of the carryover of NO and NO₂ has decreased about 20 percent over the past 18 years. The fraction of NOx that is NO₂ ranges from 60 to 90 percent with lowest fractions at Los Angeles-N. Main, Pico Rivera, Burbank and Pomona and highest fractions at N. Long Beach, Anaheim, and Upland. There are no significant day-of-the-week variations in the NO₂/NOx ratios.

2.5 Ozone Inhibition Period

The 7-8 a.m. NO, CO, and NMHC concentrations are all substantially lower on weekends. Tables 2.5-1 to 2.5-4 list the average summer 7-8 a.m. (PDT) NO, NO₂, CO, and NMHC by day-of-the-week, respectively, and Figures 2.5-1 to 2.5-4 show the corresponding line plots. Average 7-8 a.m. NO concentrations on Saturday and Sunday are 55-70 percent and 33-39 percent of the average weekday concentrations, respectively. Average 7-8 a.m. CO and NMHC (estimated from CO) on Saturday and Sunday are 67-83 percent and 50-65 percent of the average weekday concentrations, respectively.

NO emissions during this period inhibit radical formation by titrating ozone with NO. During this period formaldehyde (HCHO) and, to a lesser extent, nitrous acid (HONO) are the main source of HO radicals. We use the morning crossover of NO and O₃ ($t_{NO=O_3}$) as an indicator of the end of the inhibition period and beginning of O₃ production via conversion of NO to NO₂ by peroxy radical. Note in Figure 2.1-1 that the crossover occurs an hour earlier on weekends. Thus ozone formation begins earlier on weekends. Table 2.5-5 shows the average times (PST) in the morning when NO equals O₃ by day of the week and Figure 2.5-5 shows the corresponding line plots. On average, the ozone inhibition period ends about 0.5 to 0.7 hours earlier on Saturdays and about 1.1 to 1.3 hours earlier on Sundays. The early end of the inhibition period on the weekends is consistent with the higher weekend 7-8 a.m. NO₂/NOx ratios shown in Figure 2.5-6. In general, ozone inhibition ends earlier in downwind areas and later in areas of highest density of fresh NO emissions.

Figure 2.5-7 shows the average changes in NO and NMHC concentrations due to addition of fresh emissions during the morning commute period. The concentrations of NO at 7-8 a.m. (PDT) are about 3 to 4 times higher than before the morning commute period on weekdays. In contrast, NO is only slightly higher during 7-8 a.m. on Saturdays and is essentially constant between 4 to 8 a.m. on Sundays. While NO concentrations vary from site to site, the relative changes are similar at all sites. This general pattern has changed very little in 18 years indicating that the degree of ozone inhibition by NO titration of ozone has remained fairly constant over this time period. Thus the magnitude and spatial extent of the weekend effect would not have changed if ozone inhibition by NO emissions were the only cause of the weekend effect. Note that relative changes from weekday to weekend are larger for NO than NMHC resulting in higher NMHC/NO_x ratios during the weekends, which increases the ozone formation rate in VOC-limited atmospheres.

2.6 Ozone Accumulation Period

The duration of ozone accumulation was determined by the difference between the time of maximum ozone concentration (t_{maxO_3}) and $t_{\text{NO=O}_3}$. Tables 2.6-1 and 2.6-2 list, by day of the week, average times of maximum ozone and the duration of ozone accumulation, respectively. Corresponding line plots are shown in Figures 2.6-1 and 2.6-2. The timing of maximum ozone generally coincides with distance of pollutant transport. Interestingly, the timing of maximum ozone has not changed in over two decades in downwind areas, but has shifted about 1 to 1.5 hours later in the western and central part of the basin. The timing of maximum ozone does not vary significantly by day of the week. Compared to Wednesdays, the duration of ozone accumulation is about 1.2 hours and 1.3 hours longer on Saturdays and Sundays, respectively with no significant long-term changes. The duration of ozone accumulation is shortest in the western part of the basin and longest in the eastern basin.

Of all the parameters examined, the rate of ozone accumulation stands out as the most significant parameter with respect to the weekend effect and the long-term trend in ozone concentrations. Table 2.6-3 and Figure 2.6-3 show the rate of ozone accumulation by day of the week for four periods between 1981 and 1998. The rate (ppb O_3/hour) was determined as the difference between O_3 concentrations at maximum ozone and $t_{\text{NO=O}_3}$ divided by the duration of ozone accumulation (i.e., $t_{\text{maxO}_3} - t_{\text{NO=O}_3}$). During 1981-84, the ozone accumulation rate was highest in the central basin and higher on weekdays than weekends at all sites. By 1995-98, the rate was highest in the eastern basin and higher on weekends than weekdays in most of the basin except the extreme western and eastern portions of the basin. On average, ozone accumulation rates were cut in half during the 18-year period with the largest reductions in the central basin.

To summarize, the key parameters (end of ozone inhibition, duration of ozone accumulation, and rate of ozone formation) are plotted by site for Sunday, Wednesday, and Sunday minus Wednesday in Figures 2.6-4, 2.6-5, 2.6-6, and 2.6-7 for the periods 1981-84, 1985-89, 1990-94, and 1995-98, respectively. Sites are arranged in order of location from west to east with the western sites toward the left side of the plot. For all sites and years, the duration of ozone formation is consistently greater on Sunday than Wednesday, ranging for the most part from 1 to 2 hours. In contrast, the Sunday minus Wednesday differences in the ozone accumulation rates are consistently negative during the 1980s and consistently positive during the 1990s. The switch from lower to higher ozone accumulation rates on weekends relative to

weekdays coincides with the sharp decline in the ozone trend and an increase in the magnitude and spatial extent of the weekend effect.

Figure 2.6-8 compares the trends in the ozone accumulation rates on Sunday and Wednesday for each of the twelve sites and Figure 2.6-9 shows the corresponding trends averaged by western, central, and eastern sites. The trends in the ozone accumulation rate for Wednesday mirror the trends in maximum 1-hour ozone trends shown in Figure 1.3-4. Changes in emission patterns from weekday to weekend in the 1980s resulted in little change in the ozone accumulation rate at western sites and generally lower weekend rates at central and eastern sites. The lower weekend ozone accumulation rate counteracts the shorter ozone inhibition period on weekends at central and eastern locations resulting in either no change or slightly lower ozone concentrations on weekends (i.e., no weekend effect). In the 1990s, the ozone accumulation rates were generally higher on Sunday than Wednesday. Coupled with the shorter inhibition period, ozone concentrations were consistently higher on weekends during the 1990s.

2.7 Spatial, Temporal, and Statistical Distributions of Volatile Organic Compounds and NMHC/NO_x Ratios

The previous section showed that the difference between weekday and weekend rates of ozone accumulation is a major factor in the magnitude of the weekend effect. As discussed in previous sections, VOC/NO_x ratios ² affect both the rate and efficiency of ozone production. The average NMHC/NO_x ratios at 6-9 a.m. (PDT) and time of maximum ozone by day-of-the-week are shown in Tables 2.7-1 and 2.7-2, respectively. Figures 2.7-1 and 2.7-2 show the corresponding line plots. The data show that differences between weekday and weekend VOC/NO_x ratios have steadily increased over time. The ratios of the average 6-9 a.m. (PDT) VOC/NO_x ratio on Saturday to that on Wednesday are 1.05, 1.06, 1.17, and 1.18 for the years 1981-84, 1985-89, 1990-94, and 1995-98, respectively. The corresponding Sunday/Wednesday ratios are 1.10, 1.17, 1.27 and 1.42. Similar differences are observed for the VOC/NO_x ratios during the time of maximum ozone. The average weekday 6-9 a.m. (PDT) VOC/NO_x ratios during the 1990s are about 7 compared to 8-9 on Saturdays and 9-10 on Sundays, and the ratios at maximum ozone are 10-11 on weekdays, 12-13 on Saturdays and 13-14 on Sundays. The morning VOC/NO_x ratios are above the ridgeline in the ozone isopleth plot (ozone formation is VOC limited) during weekdays and move toward the ridgeline on weekends. While greater carryover of VOC on weekends contributes to greater weekend morning VOC/NO_x ratios, most of the increase is due to lower NO emissions during weekend mornings.

2.8 Summary of Findings

The observed weekend effect in the South Coast Air Basin arises from changes in diurnal patterns of VOC and NO_x emissions. These emission changes result in day-of-the-week differences in the overnight carryover of ozone precursors, the degree of inhibition of ozone

² As explained in Section 2.2, NMHC is estimated from CO using an empirical relationship between NMHC and CO for data collected in 1995 and 1996. While these estimates are reasonably valid for determining day-of-the-week variations in NMHC concentrations and NMHC/NO_x ratios for any year within the 18-year period of interest, they are probably not valid for estimating long-term trends in NMHC and NMHC/NO_x ratios because the slope of the regression between CO and NMHC may have changed over time with changing emission control technology.

formation during the morning due to titration with NO, and varying rates of ozone accumulation due to changing VOC/NOx ratios. The following are the findings relevant to the effect of these factors on the magnitude and spatial extent of the weekend effect in the South Coast Air Basin.

Carryover of Ozone Precursors

- NO carryover is 10-20 percent lower on Sunday and Monday relative to Wednesday and about 10-15 percent higher on Friday and Saturday mornings.
- NMHC carryover is greatest on Saturday and Sunday mornings with ratios to Wednesday of 1.20 and 1.12, respectively, and least on Monday mornings.
- Higher carryover of NMHC on Sunday relative to Wednesday coupled with lower relative carry-over of NO suggests that the carryover of NO and NMHC emissions is driven by different sources or different chemistry (reaction rates).
- NO₂ concentrations and NO₂/NOx ratios at 4-5 a.m. (PDT) show no significant day-of-the-week differences.
- The magnitude of the carryover of NO and NO₂ has decreased about 20 percent over the past 18 years.

Ozone Inhibition Period

- Average 7-8 a.m. (PDT) NO concentrations on Saturday and Sunday are 55-70 percent and 33-39 percent of the average weekday concentrations, respectively. This general pattern has changed very little in 18 years indicating that the degree of ozone inhibition by NO titration of ozone has remained fairly constant over this time period.
- Average 7-8 a.m. (PDT) CO and NMHC (estimated from CO) on Saturday and Sunday are 67-83 percent and 50-65 percent of the average weekday concentrations, respectively. The relative changes from weekday to weekend are larger for NO than NMHC resulting in higher NMHC/NOx ratios during the weekends.
- On average, the ozone inhibition period ends about 0.5 to 0.7 hours earlier on Saturdays and about 1.1 to 1.3 hours earlier on Sundays. In general, ozone inhibition ends earlier in downwind areas and later in areas of highest density of fresh NO emissions.

Ozone Accumulation Period

- The timing of maximum ozone has not changed in over two decades in downwind areas, but has shifted about 1 to 1.5 hours later in the western and central parts of the basin. Timing of maximum ozone does not vary significantly by day of the week.
- Compared to Wednesdays, the duration of ozone accumulation is about 1.2 hours and 1.3 hours longer on Saturdays and Sundays, respectively, with no significant long-term changes. The duration of ozone accumulation is shortest in the western part of the basin and longest in the eastern basin.

- During 1981-84, the ozone accumulation rate was highest in the central basin and higher on weekdays than weekends at all sites. By 1995-98, the rate was highest in the eastern basin and higher on weekends than weekdays in most of the basin except the extreme western and eastern portions of the basin. On average, ozone accumulation rates were cut in half during the 18-year period with the largest reductions in the central basin.
- A switch from lower to higher ozone accumulation rates on weekends relative to weekdays coincides with the sharp declining ozone trend in the 1990s and an increase in the magnitude and spatial extent of the weekend effect.

Spatial, Temporal, and Statistical Distributions of Volatile Organic Compounds and NMHC/NO_x Ratios

- The ratios of the average 6-9 a.m. (PDT) VOC/NO_x ratio on Saturday to that on Wednesday are 1.05, 1.06, 1.17, and 1.18 for the years 1981-84, 1985-89, 1990-94, and 1995-98, respectively. The corresponding Sunday/Wednesday ratios are 1.10, 1.17, 1.27 and 1.42. Similar differences are observed for the VOC/NO_x ratios during the time of maximum ozone.
- The average weekday 6-9 a.m. (PDT) VOC/NO_x ratios during the 1990s are about 7 compared to 8-9 on Saturdays and 9-10 on Sundays, and the ratios at maximum ozone are 10-11 on weekdays, 12-13 on Saturdays and 13-14 on Sundays.
- The morning VOC/NO_x ratios are above the ridgeline in the ozone isopleth plot (ozone formation is VOC- limited) during weekdays and move toward the ridgeline on weekends. While greater carryover of VOC on weekends contributes to greater weekend morning VOC/NO_x ratios, most of the increase is due to lower NO emissions during weekend mornings.

Table 2.2-1
Air Quality Parameters for the Conceptual Explanation of the Weekend Effect

No.	Code	Parameter	Purpose
1	o3max	[O ₃]max (ppb)	WE/WD effect indicator
2	no_34	3-4 PST [NO] (ppb)	Carryover
3	nox_34	3-4 PST [NOx] (ppb)	Carryover
4	no2_34	3-4 PST [NO ₂] (ppb)	Carryover
5	o3pno2_34	3-4 PST [O ₃ +NO ₂] (ppb)	Potential ozone carryover
6	co_34	3-4 PST [CO] (ppm)	Surrogate for gas-powered emissions carryover
7	nmhc_34	3-4 PST [NMHC] (ppbC)	Carryover (via Bendix or regression with CO)
8	no_67	6-7 PST [NO] (ppb)	Ozone titration potential (morning rush hour)
9	no2_67	6-7 PST [NO ₂] (ppb)	For NO ₂ -NO comparison
10	co_67	6-7 PST [CO] (ppm)	Surrogate for gas-powered morning emissions
11	nmhc_67	6-7 PST [NMHC] (ppbC)	Fresh emissions (morning rush hour)
12	n0_58	5-8 PST [NO] (ppb)	Morning commute
13	no2_58	5-8 PST [NO ₂] (ppb)	Morning commute
14	nox_58	5-8 PST [NOx] (ppb)	Morning commute
15	co_58	5-8 PST [CO] (ppm)	Morning commute (to help with NMHC via rCO)
16	nmhc_58	5-8 PST [NMHC] (ppbC)	Morning commute
17	ratio_58	5-8 PST NMHC/NOx	Reaction efficiency/rate for morning commute
18	tNOeqO3	t _{NO=O3} (PST)	Interpolated time of morning crossover of O ₃ and NO. Marks ends of O ₃ inhibition period and the beginning of the ozone accumulation period.
19	to3max	t _{O3max} (PST)	Interpolated time of daily maximum O ₃
20	tO3tNO	t _{O3max} -t _{NO=O3} (PST)	Duration of O ₃ accumulation
21	o3tNOeqO3	[O ₃ (t _{NO=O3})] (ppb)	O ₃ concentration at at morning corssover of O ₃ and NO
22	o3rate	O ₃ rate (ppb/hour)	Rate of O ₃ accumulation (see definition below)
23	ratio_eq	NMHC/NOx(t _{NO=O3})	Reaction efficiency/rate at t _{NO=O3}
24	ratio_max	NMHC/NOx(t _{O3max})	Reaction efficiency/rate at t _{O3max}

Rate of O₃ accumulation: ([O₃]max - [O₃(t_{NO=O3})]) / (t_{O3max} - t_{NO=O3})

Table 2.3-1
**Average Daily Maximum Ozone (ppb) by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	73 ± 5 (69)	58 ± 4 (69)	62 ± 4 (70)	65 ± 5 (71)	64 ± 5 (70)	63 ± 4 (70)	71 ± 4 (69)
Anaheim	95 ± 6 (69)	84 ± 6 (69)	95 ± 7 (70)	89 ± 6 (71)	92 ± 6 (70)	94 ± 6 (70)	99 ± 6 (69)
Lynwood	87 ± 5 (68)	75 ± 5 (68)	74 ± 4 (70)	76 ± 5 (71)	77 ± 5 (70)	81 ± 5 (70)	82 ± 5 (69)
LA-N.Main	122 ± 6 (69)	111 ± 6 (69)	112 ± 6 (70)	111 ± 6 (71)	114 ± 7 (70)	117 ± 6 (70)	122 ± 6 (69)
Reseda	115 ± 4 (69)	125 ± 5 (69)	125 ± 6 (70)	124 ± 6 (70)	124 ± 6 (70)	129 ± 6 (70)	126 ± 6 (69)
Burbank	132 ± 6 (67)	130 ± 6 (69)	130 ± 7 (70)	134 ± 7 (71)	139 ± 7 (70)	129 ± 7 (70)	136 ± 6 (67)
Pico Rivera	141 ± 7 (69)	129 ± 7 (69)	139 ± 8 (70)	134 ± 9 (71)	140 ± 9 (70)	138 ± 8 (70)	139 ± 7 (69)
La Habra	114 ± 7 (69)	103 ± 6 (69)	113 ± 8 (70)	108 ± 8 (71)	114 ± 7 (70)	109 ± 7 (70)	116 ± 7 (69)
Azusa	167 ± 7 (68)	168 ± 8 (69)	175 ± 9 (70)	172 ± 10 (71)	181 ± 9 (70)	181 ± 10 (70)	174 ± 7 (69)
Pomona	145 ± 7 (68)	142 ± 8 (69)	151 ± 9 (70)	148 ± 9 (71)	154 ± 9 (70)	151 ± 8 (70)	147 ± 7 (69)
Upland	158 ± 7 (68)	166 ± 8 (69)	175 ± 9 (70)	173 ± 9 (71)	171 ± 8 (70)	182 ± 9 (70)	168 ± 7 (68)
Rubidoux	143 ± 7 (68)	151 ± 6 (69)	162 ± 8 (70)	159 ± 8 (71)	163 ± 8 (70)	166 ± 8 (70)	156 ± 7 (68)
<u>June to September 1985-89</u>							
N. Long Beach	67 ± 4 (86)	51 ± 3 (87)	57 ± 3 (86)	52 ± 2 (87)	58 ± 3 (86)	56 ± 3 (87)	63 ± 3 (87)
Anaheim	84 ± 4 (87)	75 ± 4 (88)	83 ± 5 (87)	79 ± 4 (87)	80 ± 4 (87)	81 ± 4 (87)	85 ± 5 (87)
Lynwood	78 ± 4 (85)	64 ± 3 (87)	67 ± 3 (87)	66 ± 3 (87)	70 ± 3 (87)	69 ± 3 (87)	72 ± 3 (85)
LA-N.Main	104 ± 5 (87)	86 ± 4 (88)	92 ± 4 (87)	95 ± 4 (87)	92 ± 4 (87)	95 ± 4 (87)	104 ± 4 (87)
Reseda	112 ± 4 (87)	109 ± 4 (88)	118 ± 4 (87)	123 ± 5 (86)	121 ± 4 (86)	120 ± 4 (86)	117 ± 5 (87)
Burbank	122 ± 5 (87)	106 ± 4 (88)	116 ± 5 (87)	125 ± 6 (87)	119 ± 5 (87)	118 ± 5 (87)	126 ± 6 (87)
Pico Rivera	128 ± 6 (87)	105 ± 4 (88)	116 ± 5 (87)	115 ± 6 (87)	115 ± 6 (87)	119 ± 6 (87)	128 ± 6 (87)
La Habra	106 ± 5 (87)	90 ± 4 (88)	97 ± 5 (87)	96 ± 5 (87)	95 ± 5 (87)	96 ± 5 (87)	104 ± 5 (87)
Azusa	158 ± 6 (87)	138 ± 5 (88)	153 ± 6 (87)	154 ± 7 (87)	153 ± 6 (87)	159 ± 7 (87)	164 ± 7 (87)
Pomona	135 ± 5 (87)	118 ± 5 (88)	130 ± 5 (87)	131 ± 6 (87)	131 ± 6 (87)	130 ± 6 (87)	138 ± 6 (87)
Upland	140 ± 5 (86)	136 ± 5 (88)	150 ± 6 (87)	152 ± 7 (87)	150 ± 6 (87)	152 ± 7 (87)	149 ± 6 (87)
Rubidoux	137 ± 5 (86)	142 ± 6 (88)	150 ± 5 (87)	153 ± 6 (87)	150 ± 5 (87)	149 ± 6 (87)	143 ± 5 (87)
<u>June to September 1990-94</u>							
N. Long Beach	61 ± 3 (87)	49 ± 2 (87)	51 ± 2 (87)	51 ± 2 (87)	53 ± 2 (87)	51 ± 2 (87)	57 ± 2 (87)
Anaheim	79 ± 4 (87)	64 ± 3 (87)	68 ± 4 (87)	67 ± 3 (88)	64 ± 3 (87)	65 ± 3 (87)	73 ± 3 (87)
Lynwood	63 ± 3 (87)	48 ± 2 (87)	51 ± 2 (87)	49 ± 2 (88)	54 ± 2 (87)	52 ± 2 (87)	60 ± 3 (87)
LA-N.Main	97 ± 4 (86)	75 ± 3 (87)	76 ± 3 (87)	77 ± 3 (88)	84 ± 3 (87)	81 ± 3 (87)	98 ± 4 (86)
Reseda	100 ± 3 (87)	91 ± 3 (87)	94 ± 3 (87)	99 ± 4 (88)	105 ± 4 (87)	103 ± 4 (87)	103 ± 3 (87)
Burbank	111 ± 5 (87)	89 ± 4 (87)	90 ± 3 (87)	91 ± 4 (88)	101 ± 4 (87)	97 ± 4 (87)	110 ± 4 (87)
Pico Rivera	117 ± 5 (86)	91 ± 4 (87)	92 ± 4 (87)	90 ± 3 (88)	94 ± 4 (87)	99 ± 4 (87)	111 ± 4 (86)
La Habra	98 ± 5 (87)	79 ± 4 (87)	83 ± 4 (86)	78 ± 3 (88)	80 ± 3 (87)	80 ± 4 (87)	90 ± 4 (87)
Azusa	142 ± 5 (87)	119 ± 5 (87)	118 ± 4 (87)	117 ± 4 (88)	128 ± 5 (87)	126 ± 5 (87)	144 ± 5 (87)
Pomona	129 ± 5 (87)	105 ± 5 (87)	106 ± 5 (87)	103 ± 4 (88)	112 ± 5 (87)	111 ± 5 (87)	128 ± 5 (87)
Upland	133 ± 5 (87)	117 ± 5 (87)	120 ± 5 (87)	117 ± 5 (88)	130 ± 5 (87)	127 ± 5 (87)	136 ± 5 (87)
Rubidoux	132 ± 5 (86)	122 ± 5 (87)	126 ± 4 (86)	127 ± 4 (87)	130 ± 4 (86)	131 ± 5 (86)	134 ± 5 (86)
<u>June-September 1995-98</u>							
N. Long Beach	60 ± 2 (60)	51 ± 2 (61)	49 ± 2 (60)	47 ± 2 (60)	51 ± 2 (60)	50 ± 2 (60)	62 ± 3 (60)
Anaheim	66 ± 3 (70)	53 ± 2 (70)	52 ± 2 (70)	52 ± 2 (69)	52 ± 2 (69)	53 ± 3 (69)	66 ± 3 (70)
Lynwood	49 ± 2 (70)	39 ± 1 (71)	39 ± 1 (70)	39 ± 2 (69)	41 ± 2 (69)	41 ± 2 (69)	48 ± 2 (70)
LA-N.Main	78 ± 3 (70)	63 ± 2 (71)	64 ± 3 (70)	61 ± 3 (69)	62 ± 3 (69)	63 ± 3 (69)	75 ± 3 (70)
Reseda	80 ± 3 (70)	75 ± 3 (71)	74 ± 3 (70)	75 ± 3 (69)	73 ± 4 (69)	74 ± 4 (69)	80 ± 3 (70)
Burbank	91 ± 3 (67)	73 ± 3 (68)	74 ± 3 (67)	72 ± 3 (66)	72 ± 4 (65)	74 ± 4 (67)	86 ± 4 (68)
Pico Rivera	91 ± 4 (70)	70 ± 3 (71)	71 ± 3 (70)	72 ± 3 (69)	71 ± 3 (69)	71 ± 3 (69)	90 ± 4 (70)
La Habra	79 ± 3 (70)	61 ± 2 (71)	59 ± 2 (70)	59 ± 3 (69)	58 ± 3 (69)	61 ± 3 (69)	77 ± 4 (70)
Azusa	116 ± 4 (69)	85 ± 4 (70)	88 ± 4 (68)	90 ± 4 (69)	87 ± 5 (69)	90 ± 5 (68)	114 ± 5 (69)
Pomona	107 ± 5 (70)	77 ± 4 (71)	78 ± 4 (70)	78 ± 4 (69)	76 ± 4 (69)	77 ± 4 (69)	102 ± 5 (70)
Upland	121 ± 5 (61)	95 ± 4 (62)	96 ± 5 (62)	94 ± 5 (61)	92 ± 5 (60)	97 ± 5 (60)	122 ± 6 (60)
Rubidoux	113 ± 4 (66)	100 ± 3 (68)	100 ± 4 (68)	99 ± 4 (68)	98 ± 5 (68)	99 ± 4 (67)	114 ± 4 (67)

Table 2.4-1
**Average Daily 3-4 a.m. (PST) NO (ppb) by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	14 ± 3 (66)	9 ± 2 (63)	13 ± 2 (65)	11 ± 2 (68)	11 ± 2 (67)	13 ± 3 (67)	15 ± 3 (66)
Anaheim	12 ± 2 (69)	10 ± 2 (69)	15 ± 2 (70)	13 ± 2 (71)	15 ± 3 (69)	12 ± 3 (70)	16 ± 3 (69)
Lynwood	24 ± 4 (67)	16 ± 3 (67)	19 ± 4 (70)	15 ± 3 (71)	18 ± 3 (70)	17 ± 3 (70)	23 ± 4 (69)
LA-N.Main	56 ± 7 (68)	47 ± 7 (67)	62 ± 7 (69)	56 ± 7 (71)	63 ± 9 (70)	64 ± 9 (70)	59 ± 7 (68)
Reseda	53 ± 6 (69)	33 ± 4 (68)	36 ± 5 (68)	36 ± 4 (68)	37 ± 4 (69)	39 ± 5 (69)	56 ± 6 (69)
Burbank	58 ± 7 (66)	43 ± 6 (67)	56 ± 6 (68)	53 ± 6 (70)	64 ± 8 (67)	62 ± 8 (68)	67 ± 7 (67)
Pico Rivera	34 ± 4 (69)	41 ± 5 (69)	48 ± 6 (70)	58 ± 7 (71)	57 ± 8 (69)	57 ± 6 (70)	57 ± 7 (69)
La Habra	20 ± 3 (68)	16 ± 2 (67)	21 ± 2 (68)	25 ± 3 (69)	21 ± 2 (70)	23 ± 3 (69)	28 ± 3 (69)
Azusa	26 ± 3 (66)	21 ± 2 (67)	27 ± 3 (68)	24 ± 2 (70)	28 ± 3 (68)	27 ± 3 (69)	32 ± 3 (68)
Pomona	33 ± 3 (67)	30 ± 3 (69)	46 ± 4 (70)	39 ± 4 (71)	42 ± 4 (69)	45 ± 4 (70)	57 ± 5 (69)
Upland	6 ± 1 (65)	5 ± 1 (66)	6 ± 1 (67)	7 ± 1 (68)	8 ± 2 (66)	8 ± 1 (66)	11 ± 2 (66)
Rubidoux	21 ± 3 (65)	26 ± 4 (65)	37 ± 4 (66)	39 ± 4 (68)	38 ± 5 (68)	38 ± 4 (68)	39 ± 5 (63)
<u>June to September 1985-89</u>							
N. Long Beach	12 ± 3 (86)	11 ± 2 (87)	14 ± 3 (85)	11 ± 1 (86)	12 ± 3 (86)	14 ± 2 (87)	12 ± 2 (87)
Anaheim	12 ± 3 (87)	9 ± 2 (88)	13 ± 2 (86)	12 ± 2 (87)	12 ± 2 (87)	12 ± 2 (86)	10 ± 2 (87)
Lynwood	20 ± 4 (85)	15 ± 3 (87)	21 ± 4 (85)	17 ± 3 (87)	17 ± 3 (87)	22 ± 4 (85)	21 ± 4 (84)
LA-N.Main	46 ± 6 (83)	48 ± 7 (83)	55 ± 7 (82)	51 ± 6 (85)	48 ± 6 (86)	62 ± 7 (85)	54 ± 7 (83)
Reseda	38 ± 4 (87)	29 ± 3 (88)	31 ± 3 (87)	35 ± 4 (84)	36 ± 4 (84)	43 ± 5 (86)	48 ± 5 (86)
Burbank	43 ± 5 (87)	38 ± 4 (88)	45 ± 5 (86)	50 ± 5 (87)	42 ± 5 (86)	53 ± 6 (86)	54 ± 6 (87)
Pico Rivera	38 ± 4 (87)	51 ± 5 (88)	61 ± 7 (87)	58 ± 6 (87)	58 ± 7 (86)	62 ± 7 (85)	48 ± 5 (86)
La Habra	16 ± 2 (85)	16 ± 2 (86)	18 ± 2 (87)	20 ± 2 (85)	20 ± 2 (87)	20 ± 2 (87)	20 ± 2 (85)
Azusa	14 ± 2 (87)	16 ± 2 (88)	15 ± 2 (87)	20 ± 2 (87)	22 ± 2 (85)	24 ± 3 (86)	24 ± 3 (87)
Pomona	34 ± 3 (87)	32 ± 3 (88)	41 ± 4 (86)	41 ± 3 (87)	45 ± 3 (86)	49 ± 4 (87)	55 ± 4 (87)
Upland	10 ± 1 (86)	8 ± 1 (87)	13 ± 2 (87)	15 ± 2 (87)	13 ± 2 (87)	14 ± 2 (86)	15 ± 2 (87)
Rubidoux	22 ± 2 (84)	30 ± 3 (86)	35 ± 4 (84)	34 ± 4 (85)	36 ± 4 (84)	38 ± 4 (84)	33 ± 3 (85)
<u>June to September 1990-94</u>							
N. Long Beach	6 ± 1 (86)	5 ± 1 (86)	8 ± 1 (87)	7 ± 1 (87)	5 ± 1 (85)	7 ± 1 (86)	9 ± 1 (87)
Anaheim	7 ± 2 (86)	9 ± 2 (87)	10 ± 2 (85)	14 ± 3 (85)	9 ± 2 (84)	9 ± 2 (84)	10 ± 2 (86)
Lynwood	20 ± 3 (87)	15 ± 3 (86)	17 ± 2 (87)	15 ± 2 (87)	13 ± 2 (86)	18 ± 3 (87)	22 ± 3 (87)
LA-N.Main	53 ± 6 (83)	42 ± 6 (82)	49 ± 7 (83)	48 ± 7 (87)	49 ± 7 (84)	49 ± 6 (84)	51 ± 6 (84)
Reseda	32 ± 3 (85)	20 ± 2 (85)	24 ± 3 (86)	22 ± 2 (88)	26 ± 3 (87)	24 ± 2 (85)	33 ± 3 (86)
Burbank	43 ± 5 (85)	33 ± 4 (85)	40 ± 5 (83)	42 ± 5 (88)	45 ± 5 (86)	44 ± 4 (87)	49 ± 5 (85)
Pico Rivera	30 ± 4 (83)	38 ± 5 (85)	49 ± 6 (85)	53 ± 6 (87)	45 ± 5 (87)	43 ± 5 (87)	39 ± 5 (84)
La Habra	13 ± 2 (87)	11 ± 2 (87)	16 ± 2 (85)	19 ± 2 (87)	16 ± 2 (86)	17 ± 2 (86)	17 ± 2 (87)
Azusa	12 ± 2 (86)	14 ± 2 (87)	20 ± 3 (86)	18 ± 2 (88)	21 ± 2 (87)	20 ± 2 (87)	20 ± 2 (87)
Pomona	32 ± 3 (86)	36 ± 3 (86)	50 ± 4 (85)	47 ± 4 (87)	51 ± 4 (87)	47 ± 4 (86)	47 ± 4 (86)
Upland	9 ± 1 (87)	10 ± 1 (87)	11 ± 1 (87)	11 ± 2 (88)	11 ± 1 (87)	11 ± 1 (87)	11 ± 2 (86)
Rubidoux	18 ± 3 (83)	25 ± 4 (83)	30 ± 3 (83)	33 ± 4 (83)	33 ± 4 (81)	29 ± 3 (82)	26 ± 4 (83)
<u>June-September 1995-98</u>							
N. Long Beach	6 ± 1 (60)	4 ± 1 (61)	7 ± 2 (60)	5 ± 1 (60)	6 ± 2 (60)	7 ± 2 (59)	8 ± 3 (60)
Anaheim	8 ± 2 (68)	10 ± 2 (67)	11 ± 2 (67)	10 ± 2 (68)	8 ± 2 (68)	10 ± 2 (68)	12 ± 3 (69)
Lynwood	18 ± 3 (69)	16 ± 2 (71)	24 ± 4 (70)	18 ± 2 (69)	18 ± 3 (67)	20 ± 3 (67)	26 ± 4 (69)
LA-N.Main	43 ± 6 (60)	35 ± 5 (61)	47 ± 8 (60)	42 ± 8 (59)	46 ± 9 (59)	48 ± 7 (58)	60 ± 8 (60)
Reseda	27 ± 3 (68)	19 ± 3 (67)	20 ± 3 (66)	21 ± 3 (65)	22 ± 3 (65)	20 ± 2 (66)	25 ± 3 (67)
Burbank	37 ± 5 (58)	28 ± 4 (57)	41 ± 5 (57)	33 ± 4 (59)	36 ± 4 (59)	41 ± 4 (61)	49 ± 6 (59)
Pico Rivera	28 ± 4 (70)	41 ± 5 (71)	48 ± 6 (67)	47 ± 6 (67)	48 ± 6 (69)	54 ± 6 (66)	39 ± 5 (70)
La Habra	12 ± 2 (70)	10 ± 1 (71)	13 ± 2 (69)	12 ± 2 (66)	14 ± 2 (67)	14 ± 2 (68)	15 ± 2 (70)
Azusa	15 ± 2 (67)	16 ± 2 (67)	18 ± 2 (68)	17 ± 2 (69)	20 ± 3 (68)	21 ± 3 (67)	25 ± 3 (68)
Pomona	34 ± 4 (69)	42 ± 4 (70)	46 ± 5 (68)	43 ± 4 (69)	45 ± 5 (69)	43 ± 4 (69)	50 ± 5 (69)
Upland	5 ± 1 (60)	8 ± 1 (60)	12 ± 2 (56)	15 ± 2 (58)	11 ± 1 (58)	9 ± 2 (58)	10 ± 2 (58)
Rubidoux	21 ± 3 (63)	33 ± 4 (65)	31 ± 4 (65)	28 ± 4 (65)	33 ± 4 (65)	38 ± 5 (66)	37 ± 5 (64)

Table 2.4-2
**Average Daily 3-4 a.m. (PST) NO₂ (ppb) by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	28 ± 2 (67)	23 ± 1 (64)	29 ± 2 (65)	28 ± 2 (68)	25 ± 2 (67)	26 ± 2 (67)	28 ± 2 (67)
Anaheim	28 ± 2 (69)	26 ± 2 (69)	30 ± 2 (70)	28 ± 2 (71)	29 ± 2 (69)	30 ± 2 (70)	32 ± 2 (69)
Lynwood	32 ± 2 (66)	27 ± 2 (66)	30 ± 2 (69)	30 ± 2 (69)	28 ± 2 (69)	29 ± 2 (69)	32 ± 2 (68)
LA-N.Main	48 ± 3 (68)	44 ± 3 (67)	50 ± 2 (69)	48 ± 2 (71)	48 ± 3 (70)	51 ± 3 (70)	51 ± 2 (68)
Reseda	45 ± 3 (68)	42 ± 2 (68)	44 ± 3 (68)	44 ± 2 (68)	45 ± 2 (69)	45 ± 2 (69)	49 ± 2 (69)
Burbank	50 ± 3 (66)	45 ± 3 (67)	50 ± 3 (68)	49 ± 2 (70)	50 ± 2 (66)	52 ± 2 (68)	55 ± 2 (67)
Pico Rivera	41 ± 2 (69)	37 ± 2 (69)	41 ± 2 (70)	43 ± 2 (71)	43 ± 2 (68)	45 ± 2 (70)	45 ± 2 (69)
La Habra	35 ± 2 (68)	31 ± 2 (68)	37 ± 2 (68)	34 ± 2 (69)	37 ± 2 (70)	38 ± 2 (69)	38 ± 2 (69)
Azusa	43 ± 2 (66)	40 ± 2 (67)	42 ± 2 (68)	41 ± 2 (70)	44 ± 2 (68)	45 ± 2 (69)	49 ± 2 (68)
Pomona	46 ± 3 (66)	44 ± 2 (66)	48 ± 2 (70)	46 ± 2 (70)	49 ± 2 (69)	50 ± 2 (70)	51 ± 2 (68)
Upland	38 ± 2 (65)	37 ± 2 (66)	40 ± 2 (67)	42 ± 2 (68)	40 ± 2 (66)	44 ± 2 (66)	49 ± 2 (66)
Rubidoux	39 ± 2 (65)	37 ± 2 (65)	43 ± 2 (66)	41 ± 2 (68)	44 ± 3 (68)	44 ± 2 (68)	47 ± 2 (63)
<u>June to September 1985-89</u>							
N. Long Beach	25 ± 1 (86)	24 ± 1 (87)	25 ± 2 (85)	25 ± 1 (86)	24 ± 1 (86)	26 ± 1 (87)	26 ± 1 (87)
Anaheim	27 ± 2 (87)	27 ± 1 (88)	27 ± 1 (86)	28 ± 1 (87)	27 ± 1 (87)	29 ± 2 (86)	28 ± 2 (87)
Lynwood	25 ± 1 (85)	27 ± 1 (87)	26 ± 2 (85)	27 ± 1 (87)	24 ± 1 (87)	28 ± 1 (85)	28 ± 1 (84)
LA-N.Main	42 ± 2 (83)	44 ± 2 (83)	46 ± 2 (82)	47 ± 2 (85)	48 ± 2 (86)	48 ± 2 (85)	46 ± 2 (83)
Reseda	39 ± 2 (86)	35 ± 2 (87)	33 ± 2 (86)	38 ± 2 (83)	38 ± 2 (83)	38 ± 2 (85)	39 ± 2 (85)
Burbank	41 ± 2 (87)	40 ± 2 (88)	42 ± 2 (86)	45 ± 2 (87)	43 ± 2 (86)	44 ± 2 (86)	45 ± 2 (87)
Pico Rivera	36 ± 2 (87)	37 ± 1 (88)	39 ± 2 (87)	40 ± 2 (87)	40 ± 2 (86)	41 ± 2 (85)	39 ± 2 (86)
La Habra	28 ± 2 (85)	27 ± 1 (86)	29 ± 2 (87)	30 ± 2 (85)	30 ± 2 (87)	30 ± 2 (87)	32 ± 2 (85)
Azusa	43 ± 2 (87)	45 ± 2 (88)	45 ± 2 (87)	48 ± 2 (87)	50 ± 2 (85)	51 ± 2 (86)	49 ± 2 (87)
Pomona	45 ± 2 (87)	46 ± 2 (88)	47 ± 2 (86)	48 ± 2 (87)	49 ± 2 (86)	49 ± 2 (87)	51 ± 2 (87)
Upland	36 ± 1 (86)	36 ± 1 (87)	38 ± 1 (87)	41 ± 2 (87)	40 ± 2 (87)	40 ± 1 (85)	42 ± 1 (87)
Rubidoux	33 ± 2 (84)	33 ± 2 (86)	37 ± 2 (84)	36 ± 2 (85)	38 ± 2 (84)	39 ± 2 (84)	40 ± 2 (85)
<u>June to September 1990-94</u>							
N. Long Beach	19 ± 1 (86)	20 ± 1 (86)	20 ± 1 (87)	21 ± 1 (87)	18 ± 1 (85)	19 ± 1 (86)	21 ± 1 (87)
Anaheim	22 ± 1 (86)	23 ± 1 (87)	25 ± 1 (85)	25 ± 1 (85)	24 ± 1 (84)	24 ± 1 (84)	24 ± 1 (86)
Lynwood	24 ± 1 (87)	22 ± 1 (86)	26 ± 1 (87)	23 ± 1 (87)	21 ± 1 (86)	23 ± 1 (87)	24 ± 1 (87)
LA-N.Main	33 ± 2 (83)	31 ± 2 (82)	33 ± 2 (83)	33 ± 2 (87)	33 ± 2 (84)	36 ± 2 (83)	33 ± 2 (84)
Reseda	37 ± 2 (85)	34 ± 2 (85)	37 ± 2 (86)	35 ± 1 (88)	38 ± 2 (87)	37 ± 2 (85)	38 ± 2 (86)
Burbank	38 ± 2 (85)	36 ± 1 (85)	37 ± 1 (83)	37 ± 2 (88)	40 ± 2 (86)	38 ± 1 (87)	39 ± 2 (85)
Pico Rivera	31 ± 1 (83)	31 ± 1 (85)	34 ± 1 (85)	34 ± 1 (86)	33 ± 1 (87)	33 ± 1 (87)	33 ± 1 (84)
La Habra	29 ± 2 (87)	29 ± 1 (87)	31 ± 1 (85)	32 ± 1 (87)	30 ± 1 (86)	30 ± 1 (86)	29 ± 1 (87)
Azusa	35 ± 2 (86)	34 ± 2 (87)	38 ± 2 (86)	38 ± 2 (88)	40 ± 2 (87)	38 ± 2 (87)	37 ± 2 (87)
Pomona	42 ± 2 (86)	43 ± 2 (86)	46 ± 2 (85)	44 ± 2 (87)	45 ± 2 (87)	44 ± 2 (86)	45 ± 2 (86)
Upland	33 ± 1 (87)	34 ± 1 (87)	37 ± 1 (87)	36 ± 1 (88)	37 ± 1 (87)	37 ± 1 (87)	39 ± 1 (86)
Rubidoux	35 ± 2 (83)	33 ± 2 (83)	37 ± 2 (83)	38 ± 2 (83)	36 ± 2 (81)	37 ± 2 (82)	37 ± 1 (83)
<u>June-September 1995-98</u>							
N. Long Beach	18 ± 1 (60)	18 ± 1 (61)	21 ± 2 (60)	20 ± 2 (60)	18 ± 1 (60)	19 ± 1 (59)	20 ± 1 (60)
Anaheim	20 ± 1 (68)	20 ± 1 (67)	20 ± 1 (66)	21 ± 1 (68)	20 ± 1 (68)	20 ± 1 (68)	21 ± 1 (69)
Lynwood	24 ± 1 (69)	23 ± 1 (71)	25 ± 1 (70)	25 ± 1 (69)	24 ± 1 (67)	24 ± 1 (67)	26 ± 1 (69)
LA-N.Main	36 ± 2 (60)	36 ± 2 (61)	37 ± 2 (60)	37 ± 2 (59)	35 ± 2 (59)	37 ± 2 (58)	38 ± 2 (60)
Reseda	31 ± 2 (68)	30 ± 2 (67)	31 ± 2 (66)	32 ± 2 (65)	31 ± 2 (65)	32 ± 2 (66)	30 ± 2 (67)
Burbank	37 ± 2 (58)	38 ± 2 (57)	39 ± 2 (57)	39 ± 2 (59)	37 ± 2 (59)	39 ± 2 (61)	39 ± 2 (59)
Pico Rivera	27 ± 1 (70)	30 ± 1 (71)	30 ± 1 (67)	32 ± 2 (67)	31 ± 1 (69)	30 ± 1 (66)	30 ± 1 (70)
La Habra	25 ± 1 (70)	24 ± 1 (71)	24 ± 1 (69)	25 ± 1 (66)	24 ± 1 (67)	25 ± 1 (68)	26 ± 1 (70)
Azusa	37 ± 2 (67)	36 ± 2 (67)	36 ± 2 (68)	38 ± 2 (69)	37 ± 2 (68)	39 ± 2 (67)	39 ± 2 (68)
Pomona	38 ± 2 (69)	38 ± 1 (70)	39 ± 2 (68)	41 ± 2 (69)	38 ± 2 (69)	39 ± 2 (69)	40 ± 2 (69)
Upland	28 ± 1 (60)	28 ± 1 (60)	34 ± 2 (56)	33 ± 2 (58)	32 ± 1 (58)	32 ± 2 (58)	34 ± 2 (58)
Rubidoux	31 ± 2 (63)	28 ± 2 (64)	31 ± 2 (65)	31 ± 2 (65)	29 ± 2 (65)	29 ± 2 (66)	33 ± 2 (64)

Table 2.4-3
**Average Daily 3-4 a.m. (PST) NO₂/NOx by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	0.69 ± 0.03 (65)	0.77 ± 0.03 (63)	0.76 ± 0.03 (65)	0.79 ± 0.02 (68)	0.74 ± 0.03 (67)	0.75 ± 0.03 (67)	0.73 ± 0.03 (66)
Anaheim	0.83 ± 0.03 (69)	0.84 ± 0.03 (69)	0.78 ± 0.03 (70)	0.80 ± 0.03 (71)	0.79 ± 0.03 (69)	0.83 ± 0.03 (70)	0.78 ± 0.03 (69)
Lynwood	0.71 ± 0.03 (65)	0.73 ± 0.03 (65)	0.74 ± 0.03 (69)	0.77 ± 0.03 (69)	0.73 ± 0.03 (68)	0.75 ± 0.03 (69)	0.73 ± 0.03 (68)
LA-N.Main	0.59 ± 0.03 (68)	0.66 ± 0.03 (67)	0.60 ± 0.03 (69)	0.62 ± 0.03 (71)	0.61 ± 0.03 (70)	0.62 ± 0.03 (70)	0.60 ± 0.03 (68)
Reseda	0.62 ± 0.03 (67)	0.69 ± 0.03 (67)	0.67 ± 0.03 (68)	0.67 ± 0.03 (68)	0.66 ± 0.03 (69)	0.66 ± 0.03 (69)	0.59 ± 0.03 (69)
Burbank	0.59 ± 0.03 (65)	0.62 ± 0.04 (68)	0.60 ± 0.03 (68)	0.60 ± 0.03 (70)	0.58 ± 0.03 (66)	0.60 ± 0.03 (68)	0.54 ± 0.03 (67)
Pico Rivera	0.63 ± 0.03 (68)	0.63 ± 0.03 (69)	0.60 ± 0.03 (69)	0.57 ± 0.03 (71)	0.58 ± 0.03 (68)	0.57 ± 0.03 (70)	0.56 ± 0.03 (69)
La Habra	0.70 ± 0.02 (68)	0.71 ± 0.02 (67)	0.66 ± 0.02 (69)	0.65 ± 0.02 (69)	0.69 ± 0.02 (70)	0.65 ± 0.02 (70)	0.63 ± 0.02 (69)
Azusa	0.68 ± 0.02 (66)	0.71 ± 0.02 (67)	0.66 ± 0.02 (68)	0.68 ± 0.02 (70)	0.67 ± 0.02 (68)	0.67 ± 0.02 (69)	0.66 ± 0.02 (68)
Pomona	0.64 ± 0.03 (66)	0.67 ± 0.03 (66)	0.58 ± 0.03 (70)	0.62 ± 0.03 (70)	0.60 ± 0.02 (69)	0.57 ± 0.02 (70)	0.54 ± 0.02 (68)
Upland	0.90 ± 0.02 (64)	0.90 ± 0.02 (65)	0.92 ± 0.02 (67)	0.90 ± 0.02 (68)	0.87 ± 0.03 (66)	0.87 ± 0.02 (66)	0.86 ± 0.02 (66)
Rubidoux	0.73 ± 0.03 (65)	0.70 ± 0.03 (65)	0.63 ± 0.03 (67)	0.59 ± 0.03 (68)	0.65 ± 0.03 (68)	0.62 ± 0.03 (68)	0.64 ± 0.03 (63)
<u>June to September 1985-89</u>							
N. Long Beach	0.80 ± 0.03 (86)	0.79 ± 0.02 (86)	0.76 ± 0.03 (85)	0.77 ± 0.02 (86)	0.77 ± 0.03 (86)	0.77 ± 0.02 (87)	0.76 ± 0.02 (87)
Anaheim	0.85 ± 0.02 (86)	0.85 ± 0.02 (88)	0.81 ± 0.02 (86)	0.82 ± 0.02 (87)	0.82 ± 0.02 (87)	0.84 ± 0.02 (86)	0.84 ± 0.02 (85)
Lynwood	0.73 ± 0.03 (84)	0.76 ± 0.03 (86)	0.71 ± 0.03 (85)	0.75 ± 0.03 (87)	0.74 ± 0.03 (86)	0.74 ± 0.03 (85)	0.73 ± 0.03 (84)
LA-N.Main	0.67 ± 0.03 (83)	0.65 ± 0.03 (84)	0.64 ± 0.03 (82)	0.61 ± 0.03 (86)	0.66 ± 0.03 (86)	0.60 ± 0.03 (85)	0.60 ± 0.03 (83)
Reseda	0.64 ± 0.03 (85)	0.67 ± 0.03 (86)	0.63 ± 0.03 (84)	0.64 ± 0.03 (82)	0.65 ± 0.03 (80)	0.59 ± 0.03 (83)	0.56 ± 0.03 (84)
Burbank	0.59 ± 0.03 (87)	0.64 ± 0.03 (88)	0.61 ± 0.03 (86)	0.56 ± 0.02 (87)	0.62 ± 0.03 (86)	0.56 ± 0.03 (86)	0.58 ± 0.03 (87)
Pico Rivera	0.62 ± 0.03 (87)	0.56 ± 0.03 (88)	0.55 ± 0.03 (87)	0.56 ± 0.03 (87)	0.54 ± 0.03 (86)	0.52 ± 0.03 (85)	0.57 ± 0.03 (86)
La Habra	0.70 ± 0.03 (84)	0.71 ± 0.03 (86)	0.66 ± 0.03 (87)	0.65 ± 0.03 (85)	0.63 ± 0.03 (87)	0.65 ± 0.03 (87)	0.66 ± 0.03 (85)
Azusa	0.82 ± 0.02 (87)	0.80 ± 0.02 (88)	0.81 ± 0.02 (87)	0.78 ± 0.02 (87)	0.76 ± 0.02 (85)	0.75 ± 0.02 (86)	0.75 ± 0.02 (87)
Pomona	0.64 ± 0.02 (86)	0.65 ± 0.02 (88)	0.60 ± 0.02 (86)	0.61 ± 0.02 (87)	0.58 ± 0.02 (87)	0.58 ± 0.02 (87)	0.57 ± 0.02 (87)
Upland	0.83 ± 0.02 (86)	0.86 ± 0.02 (87)	0.81 ± 0.02 (87)	0.79 ± 0.02 (87)	0.82 ± 0.02 (87)	0.79 ± 0.02 (85)	0.79 ± 0.02 (87)
Rubidoux	0.69 ± 0.02 (82)	0.62 ± 0.03 (84)	0.63 ± 0.03 (84)	0.61 ± 0.03 (83)	0.60 ± 0.03 (83)	0.61 ± 0.03 (83)	0.64 ± 0.03 (84)
<u>June to September 1990-94</u>							
N. Long Beach	0.84 ± 0.03 (83)	0.84 ± 0.02 (84)	0.80 ± 0.03 (84)	0.85 ± 0.02 (85)	0.83 ± 0.03 (82)	0.81 ± 0.03 (83)	0.81 ± 0.02 (85)
Anaheim	0.88 ± 0.02 (80)	0.84 ± 0.03 (86)	0.84 ± 0.02 (85)	0.81 ± 0.03 (80)	0.86 ± 0.02 (81)	0.87 ± 0.02 (79)	0.83 ± 0.02 (85)
Lynwood	0.70 ± 0.03 (84)	0.71 ± 0.03 (84)	0.71 ± 0.02 (85)	0.73 ± 0.03 (82)	0.76 ± 0.03 (84)	0.71 ± 0.03 (82)	0.68 ± 0.03 (85)
LA-N.Main	0.59 ± 0.04 (82)	0.64 ± 0.03 (80)	0.57 ± 0.03 (83)	0.59 ± 0.03 (85)	0.60 ± 0.03 (82)	0.58 ± 0.03 (82)	0.59 ± 0.03 (84)
Reseda	0.62 ± 0.03 (85)	0.72 ± 0.02 (85)	0.69 ± 0.02 (86)	0.70 ± 0.02 (88)	0.70 ± 0.03 (87)	0.69 ± 0.03 (85)	0.64 ± 0.03 (86)
Burbank	0.59 ± 0.03 (85)	0.64 ± 0.03 (84)	0.61 ± 0.03 (83)	0.60 ± 0.03 (88)	0.61 ± 0.03 (86)	0.56 ± 0.03 (87)	0.57 ± 0.03 (85)
Pico Rivera	0.67 ± 0.03 (84)	0.62 ± 0.03 (85)	0.55 ± 0.03 (85)	0.56 ± 0.03 (86)	0.60 ± 0.03 (87)	0.62 ± 0.03 (87)	0.63 ± 0.03 (84)
La Habra	0.77 ± 0.02 (87)	0.80 ± 0.02 (87)	0.74 ± 0.02 (85)	0.71 ± 0.02 (87)	0.74 ± 0.02 (86)	0.73 ± 0.03 (86)	0.73 ± 0.02 (87)
Azusa	0.83 ± 0.02 (86)	0.78 ± 0.02 (87)	0.75 ± 0.02 (86)	0.76 ± 0.02 (86)	0.74 ± 0.02 (87)	0.74 ± 0.02 (85)	0.76 ± 0.02 (87)
Pomona	0.66 ± 0.02 (86)	0.64 ± 0.02 (86)	0.58 ± 0.03 (85)	0.59 ± 0.02 (87)	0.58 ± 0.03 (87)	0.59 ± 0.03 (86)	0.59 ± 0.03 (86)
Upland	0.84 ± 0.02 (87)	0.82 ± 0.02 (87)	0.82 ± 0.02 (87)	0.83 ± 0.02 (88)	0.83 ± 0.02 (87)	0.82 ± 0.02 (87)	0.84 ± 0.02 (86)
Rubidoux	0.75 ± 0.02 (83)	0.70 ± 0.03 (83)	0.67 ± 0.03 (83)	0.67 ± 0.03 (83)	0.67 ± 0.03 (80)	0.69 ± 0.03 (82)	0.71 ± 0.03 (83)
<u>June-September 1995-98</u>							
N. Long Beach	0.85 ± 0.02 (60)	0.88 ± 0.02 (61)	0.84 ± 0.02 (60)	0.86 ± 0.02 (60)	0.85 ± 0.02 (60)	0.84 ± 0.02 (59)	0.85 ± 0.02 (60)
Anaheim	0.82 ± 0.02 (61)	0.82 ± 0.02 (55)	0.80 ± 0.03 (57)	0.81 ± 0.03 (57)	0.83 ± 0.02 (60)	0.78 ± 0.02 (59)	0.84 ± 0.02 (59)
Lynwood	0.68 ± 0.02 (67)	0.67 ± 0.02 (70)	0.63 ± 0.02 (70)	0.64 ± 0.02 (69)	0.64 ± 0.02 (67)	0.64 ± 0.03 (67)	0.61 ± 0.03 (68)
LA-N.Main	0.64 ± 0.04 (60)	0.65 ± 0.03 (61)	0.64 ± 0.04 (60)	0.69 ± 0.04 (59)	0.69 ± 0.04 (59)	0.62 ± 0.04 (58)	0.59 ± 0.04 (60)
Reseda	0.65 ± 0.03 (68)	0.70 ± 0.02 (67)	0.70 ± 0.03 (66)	0.70 ± 0.03 (65)	0.68 ± 0.03 (65)	0.69 ± 0.02 (65)	0.66 ± 0.03 (67)
Burbank	0.63 ± 0.03 (58)	0.68 ± 0.03 (57)	0.61 ± 0.03 (57)	0.66 ± 0.03 (59)	0.62 ± 0.03 (59)	0.59 ± 0.03 (61)	0.59 ± 0.03 (59)
Pico Rivera	0.65 ± 0.03 (69)	0.58 ± 0.03 (71)	0.56 ± 0.03 (66)	0.56 ± 0.03 (67)	0.56 ± 0.03 (69)	0.54 ± 0.04 (66)	0.61 ± 0.03 (69)
La Habra	0.73 ± 0.02 (70)	0.75 ± 0.02 (71)	0.74 ± 0.02 (68)	0.76 ± 0.02 (66)	0.72 ± 0.02 (67)	0.72 ± 0.02 (68)	0.72 ± 0.02 (70)
Azusa	0.80 ± 0.02 (67)	0.77 ± 0.02 (66)	0.75 ± 0.02 (68)	0.78 ± 0.02 (69)	0.75 ± 0.02 (68)	0.74 ± 0.02 (67)	0.72 ± 0.02 (68)
Pomona	0.61 ± 0.02 (69)	0.57 ± 0.02 (70)	0.56 ± 0.03 (68)	0.56 ± 0.02 (69)	0.58 ± 0.03 (69)	0.57 ± 0.03 (69)	0.55 ± 0.03 (69)
Upland	0.86 ± 0.02 (60)	0.82 ± 0.02 (60)	0.78 ± 0.02 (56)	0.75 ± 0.02 (58)	0.79 ± 0.02 (58)	0.82 ± 0.02 (58)	0.80 ± 0.03 (59)
Rubidoux	0.72 ± 0.03 (61)	0.63 ± 0.04 (63)	0.65 ± 0.03 (65)	0.66 ± 0.03 (65)	0.63 ± 0.03 (65)	0.61 ± 0.03 (64)	0.61 ± 0.03 (64)

Table 2.4-4
**Average Daily 3-4 a.m. (PST) NMHC (ppbC) by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	281 ± 31 (69)	201 ± 19 (69)	259 ± 23 (69)	211 ± 26 (71)	184 ± 20 (69)	232 ± 23 (69)	241 ± 23 (69)
Anaheim	265 ± 26 (65)	232 ± 21 (65)	239 ± 23 (70)	241 ± 23 (71)	256 ± 25 (70)	243 ± 24 (70)	296 ± 30 (67)
Lynwood	445 ± 52 (68)	323 ± 38 (67)	387 ± 40 (70)	318 ± 33 (71)	344 ± 34 (70)	344 ± 32 (70)	436 ± 36 (69)
LA-N.Main	626 ± 41 (69)	499 ± 36 (68)	553 ± 36 (70)	589 ± 38 (71)	555 ± 43 (69)	583 ± 47 (70)	622 ± 39 (69)
Reseda	812 ± 55 (69)	644 ± 39 (69)	653 ± 40 (69)	662 ± 34 (70)	684 ± 41 (70)	684 ± 39 (70)	854 ± 51 (68)
Burbank	790 ± 56 (66)	607 ± 38 (68)	670 ± 37 (69)	653 ± 41 (70)	732 ± 55 (69)	723 ± 53 (69)	838 ± 51 (67)
Pico Rivera	454 ± 32 (68)	374 ± 25 (68)	413 ± 27 (70)	447 ± 34 (71)	431 ± 37 (70)	453 ± 31 (70)	538 ± 39 (69)
La Habra	504 ± 32 (69)	441 ± 24 (69)	470 ± 26 (70)	482 ± 31 (71)	498 ± 30 (70)	497 ± 30 (70)	557 ± 35 (69)
Azusa	469 ± 27 (67)	410 ± 27 (68)	435 ± 25 (70)	404 ± 22 (71)	444 ± 26 (70)	474 ± 30 (70)	542 ± 29 (69)
Pomona	437 ± 31 (68)	347 ± 28 (69)	418 ± 29 (70)	404 ± 27 (71)	400 ± 27 (70)	448 ± 29 (70)	564 ± 35 (69)
Upland	490 ± 22 (65)	442 ± 21 (67)	501 ± 23 (70)	496 ± 31 (70)	502 ± 27 (69)	535 ± 23 (68)	610 ± 26 (67)
Rubidoux	373 ± 33 (64)	340 ± 32 (65)	365 ± 33 (68)	378 ± 28 (70)	387 ± 30 (69)	392 ± 28 (68)	481 ± 35 (65)
<u>June to September 1985-89</u>							
N. Long Beach	179 ± 25 (85)	160 ± 18 (86)	178 ± 23 (86)	136 ± 13 (85)	163 ± 19 (86)	170 ± 22 (87)	177 ± 20 (87)
Anaheim	271 ± 28 (87)	214 ± 19 (88)	254 ± 24 (85)	219 ± 19 (87)	222 ± 23 (87)	229 ± 22 (87)	257 ± 23 (87)
Lynwood	500 ± 49 (84)	437 ± 28 (86)	465 ± 36 (86)	433 ± 26 (87)	454 ± 32 (87)	501 ± 36 (86)	496 ± 38 (84)
LA-N.Main	493 ± 41 (81)	450 ± 35 (82)	447 ± 38 (77)	450 ± 33 (83)	448 ± 31 (85)	494 ± 32 (83)	527 ± 36 (83)
Reseda	511 ± 43 (86)	405 ± 31 (87)	359 ± 31 (86)	398 ± 34 (85)	420 ± 38 (84)	452 ± 38 (85)	538 ± 42 (85)
Burbank	653 ± 41 (86)	524 ± 34 (87)	598 ± 40 (87)	587 ± 33 (87)	586 ± 36 (86)	622 ± 38 (87)	692 ± 47 (86)
Pico Rivera	377 ± 31 (87)	328 ± 27 (88)	380 ± 34 (87)	366 ± 34 (86)	352 ± 35 (86)	377 ± 32 (87)	398 ± 30 (86)
La Habra	506 ± 21 (85)	476 ± 18 (86)	506 ± 22 (85)	524 ± 24 (85)	550 ± 24 (86)	522 ± 21 (86)	554 ± 24 (84)
Azusa	405 ± 25 (87)	384 ± 22 (88)	373 ± 23 (87)	440 ± 26 (87)	426 ± 22 (87)	454 ± 23 (87)	482 ± 27 (87)
Pomona	471 ± 28 (87)	380 ± 21 (88)	412 ± 26 (87)	426 ± 23 (87)	454 ± 25 (87)	475 ± 29 (87)	580 ± 35 (87)
Upland	380 ± 20 (86)	341 ± 18 (86)	405 ± 20 (87)	412 ± 20 (86)	401 ± 19 (85)	438 ± 21 (84)	469 ± 22 (86)
Rubidoux	412 ± 28 (86)	377 ± 22 (88)	429 ± 26 (87)	412 ± 26 (86)	430 ± 25 (86)	433 ± 27 (87)	489 ± 33 (87)
<u>June to September 1990-94</u>							
N. Long Beach	218 ± 20 (77)	212 ± 17 (78)	223 ± 19 (80)	199 ± 18 (80)	182 ± 17 (79)	220 ± 19 (79)	255 ± 22 (78)
Anaheim	289 ± 19 (86)	244 ± 22 (86)	269 ± 20 (86)	299 ± 23 (88)	273 ± 20 (87)	259 ± 20 (87)	305 ± 20 (87)
Lynwood	391 ± 39 (84)	310 ± 28 (83)	321 ± 24 (83)	297 ± 25 (86)	269 ± 23 (85)	320 ± 30 (84)	393 ± 36 (85)
LA-N.Main	636 ± 42 (86)	484 ± 31 (87)	500 ± 31 (86)	510 ± 32 (87)	528 ± 35 (86)	520 ± 31 (87)	599 ± 40 (85)
Reseda	583 ± 32 (84)	458 ± 24 (84)	460 ± 26 (85)	457 ± 27 (86)	494 ± 29 (86)	457 ± 25 (84)	571 ± 32 (86)
Burbank	568 ± 38 (87)	460 ± 30 (87)	470 ± 31 (87)	472 ± 30 (88)	528 ± 35 (86)	495 ± 29 (86)	586 ± 32 (87)
Pico Rivera	419 ± 28 (85)	372 ± 24 (86)	400 ± 25 (87)	399 ± 25 (88)	406 ± 26 (85)	366 ± 25 (85)	423 ± 28 (85)
La Habra	373 ± 22 (87)	353 ± 19 (87)	393 ± 21 (86)	385 ± 25 (88)	371 ± 21 (87)	406 ± 22 (87)	383 ± 22 (87)
Azusa	454 ± 22 (87)	408 ± 21 (87)	435 ± 22 (87)	434 ± 20 (88)	451 ± 21 (87)	423 ± 22 (86)	479 ± 27 (86)
Pomona	535 ± 25 (86)	484 ± 22 (84)	499 ± 23 (87)	479 ± 23 (88)	533 ± 23 (87)	528 ± 25 (86)	577 ± 24 (86)
Upland	361 ± 38 (23)	359 ± 28 (22)	387 ± 35 (22)	345 ± 42 (22)	344 ± 44 (21)	318 ± 40 (22)	467 ± 44 (23)
Rubidoux	441 ± 30 (86)	354 ± 23 (87)	408 ± 28 (86)	416 ± 26 (87)	419 ± 25 (86)	410 ± 27 (85)	442 ± 30 (86)
<u>June-September 1995-98</u>							
N. Long Beach	194 ± 13 (59)	170 ± 12 (60)	183 ± 14 (59)	168 ± 13 (59)	167 ± 12 (59)	177 ± 13 (60)	192 ± 19 (59)
Anaheim	296 ± 16 (67)	266 ± 13 (65)	280 ± 16 (65)	279 ± 13 (68)	266 ± 12 (68)	287 ± 14 (68)	315 ± 19 (68)
Lynwood	349 ± 30 (70)	299 ± 19 (70)	339 ± 31 (69)	329 ± 21 (68)	325 ± 22 (68)	320 ± 20 (68)	395 ± 31 (70)
LA-N.Main	501 ± 34 (70)	382 ± 23 (71)	380 ± 27 (69)	377 ± 26 (69)	391 ± 30 (69)	430 ± 28 (69)	530 ± 39 (70)
Reseda	379 ± 29 (68)	337 ± 24 (68)	306 ± 22 (66)	307 ± 22 (66)	290 ± 22 (66)	313 ± 22 (67)	365 ± 29 (68)
Burbank	599 ± 30 (66)	498 ± 26 (66)	519 ± 28 (66)	475 ± 27 (66)	479 ± 26 (65)	523 ± 28 (67)	609 ± 34 (68)
Pico Rivera	435 ± 22 (69)	391 ± 18 (70)	385 ± 20 (69)	401 ± 21 (67)	398 ± 22 (69)	405 ± 20 (68)	446 ± 24 (70)
La Habra	357 ± 19 (69)	308 ± 15 (70)	299 ± 16 (69)	329 ± 19 (69)	321 ± 19 (69)	347 ± 17 (68)	357 ± 21 (70)
Azusa	384 ± 22 (69)	353 ± 20 (69)	342 ± 21 (67)	348 ± 20 (69)	338 ± 20 (69)	368 ± 23 (68)	417 ± 27 (69)
Pomona	530 ± 35 (69)	453 ± 28 (70)	447 ± 29 (67)	448 ± 27 (68)	453 ± 26 (69)	460 ± 30 (69)	537 ± 32 (70)
Upland	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rubidoux	397 ± 27 (65)	315 ± 18 (67)	315 ± 19 (67)	319 ± 19 (68)	323 ± 22 (68)	361 ± 24 (67)	412 ± 26 (67)

Table 2.5-1
**Average Daily 6-7 a.m. (PST) NO (ppb) by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	20 ± 2 (67)	57 ± 7 (65)	75 ± 8 (64)	60 ± 6 (68)	74 ± 8 (67)	68 ± 7 (68)	31 ± 3 (67)
Anaheim	12 ± 2 (69)	40 ± 6 (68)	61 ± 8 (69)	47 ± 6 (70)	52 ± 8 (67)	45 ± 6 (70)	31 ± 5 (69)
Lynwood	21 ± 4 (63)	65 ± 10 (62)	79 ± 10 (65)	65 ± 9 (66)	82 ± 12 (67)	62 ± 9 (66)	37 ± 5 (65)
LA-N.Main	50 ± 6 (68)	106 ± 14 (68)	143 ± 16 (69)	125 ± 14 (71)	128 ± 14 (70)	114 ± 13 (70)	76 ± 10 (68)
Reseda	37 ± 4 (69)	58 ± 6 (68)	72 ± 7 (68)	69 ± 6 (68)	66 ± 6 (69)	67 ± 6 (69)	48 ± 5 (68)
Burbank	48 ± 6 (66)	87 ± 9 (67)	106 ± 11 (65)	96 ± 9 (70)	103 ± 10 (64)	106 ± 10 (66)	71 ± 8 (67)
Pico Rivera	42 ± 6 (69)	91 ± 12 (62)	124 ± 14 (64)	116 ± 14 (70)	122 ± 16 (68)	119 ± 14 (65)	76 ± 9 (69)
La Habra	20 ± 2 (68)	47 ± 6 (65)	58 ± 6 (69)	59 ± 7 (70)	65 ± 7 (70)	57 ± 6 (69)	33 ± 4 (69)
Azusa	29 ± 3 (67)	50 ± 6 (62)	56 ± 6 (54)	58 ± 7 (65)	63 ± 7 (66)	65 ± 7 (65)	44 ± 4 (68)
Pomona	39 ± 4 (67)	79 ± 7 (65)	98 ± 7 (69)	90 ± 7 (71)	97 ± 8 (69)	101 ± 7 (70)	66 ± 6 (69)
Upland	13 ± 2 (65)	36 ± 4 (65)	44 ± 4 (65)	41 ± 3 (68)	45 ± 4 (65)	46 ± 4 (66)	19 ± 2 (66)
Rubidoux	30 ± 3 (66)	67 ± 8 (66)	89 ± 9 (66)	88 ± 10 (68)	91 ± 10 (68)	86 ± 9 (68)	59 ± 6 (66)
<u>June to September 1985-89</u>							
N. Long Beach	21 ± 3 (86)	58 ± 6 (87)	59 ± 7 (85)	63 ± 7 (86)	57 ± 6 (86)	57 ± 6 (87)	29 ± 4 (87)
Anaheim	12 ± 2 (87)	42 ± 6 (78)	60 ± 9 (72)	59 ± 8 (84)	43 ± 6 (84)	55 ± 8 (83)	26 ± 4 (87)
Lynwood	25 ± 5 (85)	63 ± 9 (87)	77 ± 11 (85)	65 ± 9 (87)	64 ± 8 (87)	77 ± 11 (85)	35 ± 6 (84)
LA-N.Main	46 ± 5 (85)	101 ± 11 (83)	114 ± 12 (84)	109 ± 10 (86)	119 ± 13 (84)	122 ± 13 (84)	63 ± 7 (84)
Reseda	27 ± 3 (87)	60 ± 5 (88)	69 ± 6 (87)	73 ± 6 (84)	75 ± 7 (85)	75 ± 7 (86)	48 ± 4 (86)
Burbank	42 ± 4 (87)	78 ± 7 (88)	91 ± 8 (86)	93 ± 8 (86)	95 ± 8 (86)	99 ± 9 (86)	64 ± 6 (87)
Pico Rivera	47 ± 6 (87)	94 ± 10 (87)	103 ± 11 (86)	102 ± 10 (86)	91 ± 9 (86)	107 ± 12 (83)	68 ± 9 (86)
La Habra	17 ± 2 (85)	52 ± 5 (85)	68 ± 8 (86)	62 ± 7 (86)	59 ± 6 (87)	62 ± 7 (86)	28 ± 3 (85)
Azusa	19 ± 2 (87)	54 ± 5 (86)	56 ± 6 (86)	65 ± 6 (86)	62 ± 6 (84)	70 ± 7 (85)	36 ± 4 (85)
Pomona	35 ± 3 (86)	90 ± 7 (88)	100 ± 7 (84)	106 ± 7 (86)	110 ± 9 (86)	105 ± 7 (87)	71 ± 6 (86)
Upland	16 ± 2 (86)	52 ± 4 (87)	59 ± 5 (86)	66 ± 4 (84)	60 ± 4 (87)	63 ± 5 (87)	29 ± 2 (87)
Rubidoux	29 ± 3 (84)	69 ± 7 (86)	80 ± 10 (84)	82 ± 9 (85)	84 ± 9 (84)	87 ± 9 (84)	50 ± 5 (85)
<u>June to September 1990-94</u>							
N. Long Beach	12 ± 2 (86)	37 ± 5 (86)	47 ± 5 (87)	55 ± 7 (87)	43 ± 5 (85)	38 ± 4 (86)	22 ± 3 (87)
Anaheim	11 ± 2 (86)	40 ± 6 (84)	46 ± 6 (81)	52 ± 8 (85)	43 ± 6 (85)	32 ± 4 (85)	21 ± 3 (86)
Lynwood	20 ± 3 (86)	61 ± 9 (86)	67 ± 7 (86)	79 ± 10 (87)	62 ± 8 (86)	60 ± 8 (87)	38 ± 5 (87)
LA-N.Main	43 ± 5 (83)	91 ± 12 (82)	109 ± 12 (83)	113 ± 12 (87)	102 ± 11 (84)	94 ± 10 (83)	63 ± 7 (84)
Reseda	25 ± 3 (85)	45 ± 4 (86)	56 ± 5 (86)	55 ± 5 (88)	54 ± 5 (87)	54 ± 5 (86)	38 ± 4 (85)
Burbank	41 ± 5 (85)	65 ± 6 (85)	83 ± 8 (82)	86 ± 8 (88)	85 ± 7 (86)	83 ± 7 (87)	58 ± 5 (85)
Pico Rivera	38 ± 5 (84)	66 ± 8 (85)	87 ± 9 (84)	97 ± 11 (87)	86 ± 10 (87)	77 ± 9 (86)	63 ± 8 (84)
La Habra	14 ± 2 (87)	45 ± 6 (87)	57 ± 6 (85)	61 ± 7 (87)	52 ± 6 (85)	42 ± 4 (85)	24 ± 3 (87)
Azusa	19 ± 2 (87)	45 ± 6 (85)	62 ± 6 (86)	57 ± 6 (88)	53 ± 5 (86)	61 ± 6 (87)	32 ± 4 (87)
Pomona	36 ± 3 (86)	89 ± 8 (85)	108 ± 9 (84)	115 ± 9 (87)	110 ± 9 (87)	104 ± 8 (86)	64 ± 6 (86)
Upland	15 ± 1 (87)	49 ± 4 (86)	57 ± 4 (87)	57 ± 4 (87)	58 ± 5 (87)	52 ± 4 (86)	27 ± 2 (87)
Rubidoux	25 ± 3 (83)	61 ± 8 (84)	78 ± 8 (83)	81 ± 10 (81)	75 ± 9 (81)	69 ± 8 (81)	46 ± 5 (83)
<u>June-September 1995-98</u>							
N. Long Beach	10 ± 2 (60)	35 ± 5 (61)	39 ± 6 (60)	38 ± 5 (60)	33 ± 5 (60)	37 ± 5 (59)	24 ± 5 (60)
Anaheim	11 ± 2 (68)	39 ± 7 (67)	46 ± 7 (68)	41 ± 7 (67)	36 ± 5 (66)	35 ± 5 (68)	26 ± 4 (69)
Lynwood	27 ± 4 (69)	68 ± 7 (71)	88 ± 12 (69)	79 ± 9 (69)	72 ± 7 (66)	75 ± 8 (67)	53 ± 7 (69)
LA-N.Main	47 ± 7 (60)	90 ± 11 (61)	94 ± 12 (60)	102 ± 12 (59)	93 ± 12 (59)	107 ± 12 (58)	77 ± 11 (60)
Reseda	22 ± 2 (68)	49 ± 5 (67)	55 ± 5 (66)	53 ± 5 (65)	53 ± 5 (65)	52 ± 5 (66)	36 ± 4 (66)
Burbank	38 ± 5 (58)	65 ± 7 (58)	84 ± 9 (57)	81 ± 8 (57)	77 ± 7 (59)	80 ± 7 (61)	57 ± 6 (59)
Pico Rivera	34 ± 5 (70)	67 ± 9 (71)	82 ± 10 (68)	76 ± 9 (67)	75 ± 9 (68)	86 ± 10 (66)	61 ± 9 (70)
La Habra	13 ± 2 (70)	37 ± 4 (71)	47 ± 6 (68)	41 ± 5 (66)	38 ± 4 (67)	42 ± 5 (69)	24 ± 3 (70)
Azusa	22 ± 3 (67)	56 ± 7 (67)	54 ± 6 (67)	53 ± 6 (67)	53 ± 6 (68)	61 ± 7 (66)	41 ± 5 (68)
Pomona	44 ± 4 (69)	92 ± 8 (70)	102 ± 9 (67)	106 ± 10 (69)	104 ± 9 (68)	111 ± 10 (68)	69 ± 7 (69)
Upland	12 ± 1 (60)	51 ± 5 (61)	60 ± 5 (56)	58 ± 5 (58)	53 ± 5 (58)	50 ± 5 (58)	26 ± 3 (59)
Rubidoux	30 ± 4 (63)	63 ± 8 (65)	68 ± 8 (65)	63 ± 8 (64)	66 ± 8 (63)	74 ± 9 (66)	55 ± 6 (64)

Table 2.5-2
**Average Daily 6-7 a.m. (PST) NO₂ (ppb) by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	33 ± 2 (68)	41 ± 2 (66)	45 ± 2 (64)	44 ± 2 (68)	44 ± 2 (67)	42 ± 2 (68)	34 ± 2 (68)
Anaheim	29 ± 2 (69)	39 ± 2 (68)	45 ± 2 (69)	41 ± 2 (71)	41 ± 2 (67)	41 ± 2 (70)	35 ± 2 (69)
Lynwood	33 ± 2 (62)	40 ± 2 (61)	44 ± 2 (64)	43 ± 2 (64)	42 ± 2 (66)	40 ± 2 (65)	36 ± 2 (64)
LA-N.Main	50 ± 3 (68)	59 ± 3 (68)	66 ± 3 (69)	62 ± 3 (71)	63 ± 3 (69)	62 ± 3 (70)	55 ± 3 (68)
Reseda	49 ± 3 (69)	53 ± 3 (67)	56 ± 3 (68)	56 ± 3 (68)	56 ± 3 (69)	55 ± 2 (69)	54 ± 3 (68)
Burbank	51 ± 3 (66)	56 ± 3 (67)	62 ± 3 (65)	61 ± 3 (70)	64 ± 3 (63)	63 ± 3 (64)	56 ± 2 (67)
Pico Rivera	42 ± 3 (69)	47 ± 2 (62)	54 ± 2 (64)	52 ± 2 (70)	56 ± 3 (67)	54 ± 3 (65)	49 ± 2 (69)
La Habra	34 ± 2 (68)	43 ± 2 (66)	48 ± 2 (69)	46 ± 2 (70)	49 ± 3 (70)	48 ± 3 (69)	41 ± 2 (69)
Azusa	43 ± 2 (67)	46 ± 3 (62)	49 ± 3 (54)	47 ± 2 (65)	51 ± 3 (66)	53 ± 3 (65)	50 ± 3 (68)
Pomona	47 ± 3 (66)	56 ± 3 (63)	59 ± 3 (69)	59 ± 3 (70)	62 ± 3 (69)	63 ± 3 (70)	56 ± 3 (68)
Upland	42 ± 2 (65)	52 ± 2 (65)	56 ± 2 (65)	57 ± 2 (68)	59 ± 2 (65)	60 ± 2 (66)	54 ± 2 (66)
Rubidoux	41 ± 2 (66)	45 ± 3 (66)	51 ± 3 (66)	49 ± 3 (68)	52 ± 3 (68)	51 ± 3 (67)	51 ± 3 (66)
<u>June to September 1985-89</u>							
N. Long Beach	28 ± 2 (86)	37 ± 2 (87)	39 ± 2 (85)	41 ± 1 (86)	38 ± 1 (86)	39 ± 2 (87)	31 ± 1 (87)
Anaheim	28 ± 2 (87)	39 ± 2 (78)	39 ± 2 (72)	41 ± 2 (84)	39 ± 2 (84)	41 ± 2 (83)	32 ± 2 (87)
Lynwood	28 ± 2 (85)	41 ± 2 (87)	41 ± 2 (85)	41 ± 1 (87)	39 ± 1 (87)	43 ± 2 (85)	34 ± 2 (84)
LA-N.Main	46 ± 3 (85)	56 ± 2 (83)	58 ± 2 (84)	57 ± 2 (86)	59 ± 3 (84)	58 ± 2 (84)	51 ± 2 (84)
Reseda	37 ± 2 (86)	42 ± 2 (87)	42 ± 2 (86)	47 ± 2 (83)	49 ± 2 (84)	49 ± 2 (85)	43 ± 2 (85)
Burbank	42 ± 2 (87)	48 ± 2 (88)	50 ± 2 (86)	54 ± 2 (86)	55 ± 2 (86)	53 ± 2 (86)	46 ± 2 (87)
Pico Rivera	37 ± 2 (87)	45 ± 2 (87)	47 ± 2 (86)	49 ± 2 (86)	48 ± 2 (86)	48 ± 2 (83)	42 ± 2 (86)
La Habra	28 ± 2 (85)	38 ± 2 (85)	39 ± 2 (86)	42 ± 2 (86)	39 ± 2 (87)	41 ± 2 (86)	34 ± 2 (85)
Azusa	43 ± 2 (87)	52 ± 2 (86)	54 ± 2 (86)	58 ± 2 (86)	57 ± 2 (84)	60 ± 2 (85)	52 ± 2 (85)
Pomona	49 ± 2 (86)	56 ± 2 (88)	59 ± 2 (84)	60 ± 2 (86)	61 ± 2 (86)	63 ± 3 (87)	56 ± 2 (86)
Upland	40 ± 2 (86)	52 ± 2 (87)	53 ± 2 (86)	57 ± 2 (84)	56 ± 2 (87)	57 ± 2 (86)	51 ± 2 (87)
Rubidoux	36 ± 2 (84)	40 ± 2 (86)	43 ± 2 (84)	46 ± 2 (85)	47 ± 3 (84)	47 ± 3 (84)	43 ± 2 (85)
<u>June to September 1990-94</u>							
N. Long Beach	19 ± 1 (86)	29 ± 1 (86)	33 ± 1 (87)	33 ± 1 (87)	31 ± 1 (85)	31 ± 1 (86)	25 ± 1 (87)
Anaheim	25 ± 1 (86)	32 ± 1 (84)	36 ± 2 (81)	36 ± 2 (85)	35 ± 1 (85)	35 ± 1 (85)	30 ± 1 (86)
Lynwood	24 ± 1 (86)	36 ± 1 (86)	37 ± 1 (86)	38 ± 1 (87)	35 ± 1 (86)	35 ± 1 (87)	32 ± 2 (87)
LA-N.Main	34 ± 2 (83)	43 ± 2 (82)	44 ± 2 (83)	45 ± 2 (87)	45 ± 2 (84)	42 ± 2 (82)	39 ± 2 (84)
Reseda	36 ± 2 (85)	41 ± 2 (86)	45 ± 2 (86)	43 ± 2 (88)	46 ± 2 (87)	46 ± 2 (86)	41 ± 2 (85)
Burbank	39 ± 2 (85)	41 ± 2 (85)	42 ± 2 (82)	42 ± 2 (88)	44 ± 2 (86)	45 ± 2 (87)	42 ± 2 (85)
Pico Rivera	32 ± 1 (84)	38 ± 1 (85)	40 ± 1 (84)	41 ± 1 (87)	40 ± 1 (87)	39 ± 1 (86)	37 ± 2 (84)
La Habra	29 ± 2 (87)	37 ± 2 (87)	41 ± 2 (85)	42 ± 2 (87)	39 ± 2 (85)	39 ± 1 (85)	32 ± 2 (87)
Azusa	32 ± 2 (87)	40 ± 2 (85)	44 ± 2 (86)	44 ± 2 (88)	43 ± 2 (86)	44 ± 2 (87)	39 ± 2 (87)
Pomona	45 ± 2 (86)	52 ± 2 (85)	56 ± 2 (84)	55 ± 2 (87)	55 ± 2 (87)	57 ± 2 (86)	51 ± 2 (86)
Upland	38 ± 1 (87)	46 ± 2 (86)	50 ± 2 (87)	50 ± 2 (87)	49 ± 2 (87)	51 ± 2 (86)	45 ± 2 (87)
Rubidoux	34 ± 2 (83)	41 ± 2 (84)	46 ± 2 (83)	45 ± 2 (81)	43 ± 2 (81)	45 ± 2 (81)	41 ± 2 (83)
<u>June-September 1995-98</u>							
N. Long Beach	21 ± 1 (60)	30 ± 1 (61)	31 ± 2 (60)	31 ± 1 (60)	29 ± 1 (60)	31 ± 1 (59)	25 ± 2 (60)
Anaheim	21 ± 1 (68)	30 ± 1 (67)	30 ± 1 (68)	33 ± 1 (67)	31 ± 1 (66)	32 ± 1 (68)	27 ± 1 (69)
Lynwood	26 ± 1 (69)	34 ± 1 (71)	35 ± 1 (69)	35 ± 1 (69)	35 ± 1 (66)	35 ± 1 (67)	31 ± 1 (69)
LA-N.Main	36 ± 2 (60)	46 ± 2 (61)	45 ± 2 (60)	49 ± 2 (59)	45 ± 2 (59)	48 ± 2 (58)	43 ± 2 (60)
Reseda	30 ± 2 (68)	37 ± 1 (67)	39 ± 2 (66)	40 ± 2 (65)	39 ± 2 (65)	39 ± 2 (66)	33 ± 2 (66)
Burbank	36 ± 2 (58)	41 ± 1 (58)	42 ± 2 (57)	44 ± 2 (57)	42 ± 2 (59)	43 ± 2 (61)	39 ± 2 (59)
Pico Rivera	27 ± 1 (70)	34 ± 2 (71)	35 ± 1 (68)	36 ± 1 (67)	36 ± 1 (68)	36 ± 1 (66)	32 ± 2 (70)
La Habra	24 ± 1 (70)	33 ± 1 (71)	35 ± 1 (68)	35 ± 1 (66)	34 ± 1 (67)	34 ± 1 (69)	30 ± 2 (70)
Azusa	36 ± 2 (67)	42 ± 2 (67)	39 ± 2 (67)	42 ± 2 (67)	42 ± 2 (68)	44 ± 2 (66)	39 ± 2 (68)
Pomona	42 ± 2 (69)	47 ± 2 (70)	48 ± 2 (67)	49 ± 2 (69)	48 ± 2 (68)	50 ± 2 (68)	45 ± 2 (69)
Upland	35 ± 1 (60)	43 ± 2 (61)	47 ± 2 (56)	45 ± 2 (58)	43 ± 2 (58)	44 ± 2 (58)	39 ± 2 (59)
Rubidoux	33 ± 2 (63)	35 ± 2 (65)	38 ± 2 (65)	37 ± 2 (64)	36 ± 2 (63)	36 ± 2 (66)	37 ± 2 (64)

Table 2.5-3
**Average Daily 6-7 a.m. (PST) CO (ppm) by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	0.6 ± 0.1 (69)	1.6 ± 0.1 (69)	1.9 ± 0.2 (69)	1.7 ± 0.1 (71)	1.9 ± 0.2 (69)	1.6 ± 0.1 (68)	0.9 ± 0.1 (69)
Anaheim	0.6 ± 0.1 (66)	1.4 ± 0.2 (64)	1.7 ± 0.2 (70)	1.5 ± 0.1 (69)	1.6 ± 0.2 (69)	1.4 ± 0.1 (69)	1.0 ± 0.1 (68)
Lynwood	1.1 ± 0.1 (68)	2.7 ± 0.3 (65)	3.0 ± 0.3 (69)	2.5 ± 0.2 (70)	3.0 ± 0.3 (68)	2.3 ± 0.2 (69)	1.6 ± 0.2 (69)
LA-N.Main	1.6 ± 0.1 (69)	2.9 ± 0.2 (69)	3.6 ± 0.3 (70)	3.2 ± 0.3 (71)	3.1 ± 0.2 (68)	3.0 ± 0.2 (70)	2.0 ± 0.2 (69)
Reseda	2.3 ± 0.2 (69)	2.9 ± 0.2 (68)	3.3 ± 0.2 (69)	3.1 ± 0.2 (70)	3.3 ± 0.2 (70)	3.1 ± 0.2 (70)	2.6 ± 0.2 (68)
Burbank	2.2 ± 0.2 (66)	3.0 ± 0.2 (68)	3.6 ± 0.2 (69)	3.4 ± 0.2 (70)	3.7 ± 0.3 (68)	3.5 ± 0.2 (69)	2.7 ± 0.2 (67)
Pico Rivera	1.3 ± 0.1 (69)	1.9 ± 0.2 (64)	2.2 ± 0.2 (67)	2.3 ± 0.2 (70)	2.3 ± 0.2 (68)	2.1 ± 0.2 (65)	1.8 ± 0.1 (69)
La Habra	1.4 ± 0.1 (69)	2.5 ± 0.2 (69)	3.1 ± 0.2 (70)	2.9 ± 0.2 (71)	2.9 ± 0.3 (70)	2.6 ± 0.2 (70)	1.9 ± 0.1 (69)
Azusa	1.2 ± 0.1 (68)	1.9 ± 0.2 (67)	2.0 ± 0.2 (65)	2.0 ± 0.2 (69)	2.0 ± 0.2 (68)	2.2 ± 0.2 (70)	1.7 ± 0.1 (69)
Pomona	1.3 ± 0.1 (68)	2.4 ± 0.2 (68)	2.8 ± 0.2 (68)	2.5 ± 0.2 (71)	2.8 ± 0.2 (70)	2.9 ± 0.2 (70)	2.0 ± 0.1 (69)
Upland	1.7 ± 0.1 (65)	2.4 ± 0.2 (65)	2.8 ± 0.1 (67)	2.7 ± 0.1 (70)	2.8 ± 0.1 (68)	2.9 ± 0.2 (68)	2.1 ± 0.1 (67)
Rubidoux	1.0 ± 0.1 (68)	1.6 ± 0.2 (68)	2.0 ± 0.2 (69)	2.0 ± 0.2 (70)	2.0 ± 0.2 (69)	1.9 ± 0.2 (70)	1.6 ± 0.1 (68)
<u>June to September 1985-89</u>							
N. Long Beach	0.5 ± 0.1 (85)	1.5 ± 0.1 (86)	1.4 ± 0.1 (86)	1.5 ± 0.1 (85)	1.3 ± 0.1 (86)	1.5 ± 0.1 (87)	0.7 ± 0.1 (87)
Anaheim	0.6 ± 0.1 (87)	1.6 ± 0.1 (78)	1.9 ± 0.2 (72)	1.8 ± 0.2 (85)	1.6 ± 0.1 (87)	1.8 ± 0.2 (85)	1.0 ± 0.1 (87)
Lynwood	1.6 ± 0.2 (84)	2.9 ± 0.2 (87)	3.3 ± 0.3 (85)	2.8 ± 0.3 (87)	2.9 ± 0.2 (84)	3.2 ± 0.3 (87)	1.9 ± 0.2 (84)
LA-N.Main	1.3 ± 0.1 (81)	2.5 ± 0.2 (81)	2.8 ± 0.2 (77)	2.7 ± 0.2 (83)	2.9 ± 0.2 (84)	2.9 ± 0.2 (82)	1.7 ± 0.1 (81)
Reseda	1.2 ± 0.1 (86)	2.1 ± 0.2 (87)	2.2 ± 0.2 (86)	2.3 ± 0.2 (85)	2.4 ± 0.2 (85)	2.5 ± 0.2 (85)	1.6 ± 0.1 (85)
Burbank	1.9 ± 0.1 (86)	2.6 ± 0.2 (87)	2.9 ± 0.2 (86)	3.0 ± 0.2 (87)	3.1 ± 0.2 (86)	3.1 ± 0.2 (87)	2.3 ± 0.2 (86)
Pico Rivera	1.1 ± 0.1 (87)	1.9 ± 0.2 (88)	2.1 ± 0.2 (86)	2.1 ± 0.2 (86)	1.8 ± 0.2 (86)	2.0 ± 0.2 (86)	1.4 ± 0.2 (86)
La Habra	1.4 ± 0.1 (86)	2.8 ± 0.2 (88)	3.2 ± 0.3 (86)	3.0 ± 0.2 (87)	2.9 ± 0.2 (87)	2.8 ± 0.2 (87)	1.8 ± 0.1 (86)
Azusa	1.2 ± 0.1 (87)	1.8 ± 0.1 (88)	2.0 ± 0.2 (86)	2.0 ± 0.2 (87)	2.2 ± 0.1 (86)	2.1 ± 0.2 (87)	1.5 ± 0.1 (87)
Pomona	1.5 ± 0.1 (87)	2.6 ± 0.2 (88)	2.9 ± 0.2 (86)	2.9 ± 0.2 (86)	3.1 ± 0.2 (87)	3.0 ± 0.2 (87)	2.1 ± 0.1 (87)
Upland	1.1 ± 0.1 (86)	2.3 ± 0.1 (85)	2.4 ± 0.1 (87)	2.7 ± 0.1 (85)	2.6 ± 0.1 (84)	2.6 ± 0.1 (85)	1.7 ± 0.1 (86)
Rubidoux	1.2 ± 0.1 (86)	2.0 ± 0.1 (88)	2.2 ± 0.2 (87)	2.2 ± 0.2 (86)	2.2 ± 0.2 (86)	2.2 ± 0.2 (87)	1.7 ± 0.1 (87)
<u>June to September 1990-94</u>							
N. Long Beach	0.6 ± 0.1 (77)	1.3 ± 0.1 (78)	1.5 ± 0.1 (80)	1.7 ± 0.1 (80)	1.4 ± 0.1 (79)	1.4 ± 0.1 (79)	1.0 ± 0.1 (78)
Anaheim	0.8 ± 0.1 (86)	1.5 ± 0.1 (85)	1.7 ± 0.1 (83)	1.8 ± 0.2 (86)	1.6 ± 0.1 (86)	1.4 ± 0.1 (87)	1.1 ± 0.1 (86)
Lynwood	1.1 ± 0.1 (83)	2.4 ± 0.3 (83)	2.6 ± 0.2 (84)	2.9 ± 0.3 (86)	2.4 ± 0.2 (85)	2.3 ± 0.2 (85)	1.7 ± 0.2 (85)
LA-N.Main	1.6 ± 0.1 (86)	2.5 ± 0.2 (86)	2.7 ± 0.2 (86)	2.7 ± 0.2 (87)	2.7 ± 0.2 (86)	2.6 ± 0.2 (87)	1.9 ± 0.1 (85)
Reseda	1.6 ± 0.1 (84)	2.1 ± 0.1 (83)	2.4 ± 0.1 (86)	2.2 ± 0.2 (85)	2.3 ± 0.1 (86)	2.3 ± 0.1 (85)	1.9 ± 0.1 (86)
Burbank	1.7 ± 0.1 (87)	2.1 ± 0.1 (87)	2.3 ± 0.2 (87)	2.3 ± 0.2 (88)	2.3 ± 0.2 (86)	2.2 ± 0.1 (86)	1.9 ± 0.1 (87)
Pico Rivera	1.3 ± 0.1 (85)	1.7 ± 0.1 (86)	2.0 ± 0.2 (86)	2.0 ± 0.2 (87)	2.0 ± 0.1 (85)	1.8 ± 0.1 (86)	1.6 ± 0.1 (85)
La Habra	1.1 ± 0.1 (87)	1.9 ± 0.1 (87)	2.2 ± 0.2 (86)	2.2 ± 0.2 (88)	2.0 ± 0.2 (86)	1.8 ± 0.1 (86)	1.3 ± 0.1 (87)
Azusa	1.2 ± 0.1 (87)	1.7 ± 0.1 (85)	2.0 ± 0.1 (87)	1.9 ± 0.1 (88)	1.9 ± 0.1 (87)	1.9 ± 0.1 (86)	1.5 ± 0.1 (87)
Pomona	1.7 ± 0.1 (86)	2.5 ± 0.2 (86)	2.8 ± 0.2 (87)	2.9 ± 0.2 (88)	2.9 ± 0.2 (87)	2.8 ± 0.2 (86)	2.2 ± 0.1 (86)
Upland	1.1 ± 0.1 (23)	2.1 ± 0.2 (21)	2.4 ± 0.2 (22)	2.1 ± 0.2 (22)	2.1 ± 0.3 (21)	2.0 ± 0.3 (21)	1.4 ± 0.2 (23)
Rubidoux	1.2 ± 0.1 (86)	1.8 ± 0.2 (87)	2.1 ± 0.2 (85)	2.2 ± 0.2 (86)	2.0 ± 0.2 (86)	2.1 ± 0.2 (85)	1.7 ± 0.1 (86)
<u>June-September 1995-98</u>							
N. Long Beach	0.5 ± 0.1 (59)	0.9 ± 0.1 (60)	0.9 ± 0.1 (59)	0.9 ± 0.1 (59)	0.9 ± 0.1 (59)	0.9 ± 0.1 (60)	0.7 ± 0.1 (59)
Anaheim	0.8 ± 0.1 (67)	1.3 ± 0.1 (65)	1.4 ± 0.1 (67)	1.4 ± 0.1 (68)	1.3 ± 0.1 (67)	1.3 ± 0.1 (68)	1.1 ± 0.1 (68)
Lynwood	1.2 ± 0.1 (70)	2.3 ± 0.2 (70)	2.7 ± 0.3 (68)	2.5 ± 0.2 (68)	2.4 ± 0.2 (67)	2.3 ± 0.2 (68)	1.8 ± 0.2 (70)
LA-N.Main	1.3 ± 0.1 (70)	1.9 ± 0.1 (71)	1.9 ± 0.1 (70)	2.1 ± 0.1 (69)	1.9 ± 0.1 (69)	2.1 ± 0.2 (69)	1.7 ± 0.1 (70)
Reseda	1.0 ± 0.1 (68)	1.5 ± 0.1 (68)	1.8 ± 0.1 (66)	1.5 ± 0.1 (65)	1.5 ± 0.1 (66)	1.6 ± 0.1 (67)	1.3 ± 0.1 (68)
Burbank	1.7 ± 0.1 (66)	2.0 ± 0.1 (67)	2.1 ± 0.1 (65)	2.1 ± 0.1 (65)	2.1 ± 0.1 (65)	2.2 ± 0.1 (66)	1.9 ± 0.1 (68)
Pico Rivera	1.3 ± 0.1 (69)	1.7 ± 0.1 (70)	1.8 ± 0.1 (69)	1.8 ± 0.1 (67)	1.7 ± 0.1 (69)	1.8 ± 0.1 (68)	1.6 ± 0.1 (70)
La Habra	0.9 ± 0.1 (68)	1.5 ± 0.1 (70)	1.7 ± 0.1 (70)	1.7 ± 0.1 (69)	1.6 ± 0.1 (69)	1.6 ± 0.1 (69)	1.2 ± 0.1 (70)
Azusa	1.1 ± 0.1 (67)	1.6 ± 0.1 (69)	1.4 ± 0.1 (67)	1.5 ± 0.1 (68)	1.4 ± 0.1 (69)	1.6 ± 0.1 (68)	1.3 ± 0.1 (69)
Pomona	1.7 ± 0.1 (69)	2.5 ± 0.2 (70)	2.3 ± 0.1 (67)	2.4 ± 0.2 (68)	2.4 ± 0.2 (68)	2.6 ± 0.2 (69)	2.0 ± 0.1 (70)
Upland	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rubidoux	1.2 ± 0.1 (65)	1.4 ± 0.1 (67)	1.5 ± 0.1 (67)	1.5 ± 0.1 (68)	1.5 ± 0.1 (68)	1.7 ± 0.1 (67)	1.5 ± 0.1 (67)

Table 2.5-4
**Average Daily 6-7 a.m. (PST) NMHC* (ppbC) by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	277 ± 27 (69)	560 ± 45 (69)	657 ± 49 (69)	611 ± 44 (71)	648 ± 46 (69)	585 ± 42 (68)	352 ± 32 (69)
Anaheim	271 ± 24 (66)	506 ± 46 (64)	610 ± 56 (70)	533 ± 40 (69)	573 ± 51 (69)	520 ± 43 (69)	401 ± 39 (68)
Lynwood	405 ± 42 (68)	904 ± 93 (65)	989 ± 87 (69)	849 ± 70 (70)	1007 ± 106 (68)	776 ± 70 (69)	560 ± 50 (69)
LA-N.Main	560 ± 42 (69)	958 ± 69 (69)	1172 ± 80 (70)	1071 ± 81 (71)	1043 ± 75 (68)	1002 ± 72 (70)	706 ± 50 (69)
Reseda	772 ± 47 (69)	966 ± 60 (68)	1091 ± 63 (69)	1041 ± 62 (70)	1076 ± 65 (70)	1037 ± 60 (70)	863 ± 47 (68)
Burbank	748 ± 59 (66)	1002 ± 66 (68)	1192 ± 71 (69)	1120 ± 65 (70)	1204 ± 79 (68)	1144 ± 76 (69)	902 ± 54 (67)
Pico Rivera	471 ± 39 (69)	669 ± 51 (64)	765 ± 59 (67)	780 ± 66 (70)	778 ± 67 (68)	735 ± 58 (65)	626 ± 45 (69)
La Habra	516 ± 30 (69)	848 ± 60 (69)	1036 ± 68 (70)	959 ± 74 (71)	956 ± 80 (70)	883 ± 62 (70)	650 ± 43 (69)
Azusa	450 ± 32 (68)	651 ± 46 (67)	678 ± 48 (65)	684 ± 52 (69)	701 ± 52 (68)	749 ± 55 (70)	591 ± 33 (69)
Pomona	481 ± 35 (68)	823 ± 58 (68)	939 ± 53 (68)	860 ± 57 (71)	941 ± 64 (70)	954 ± 60 (70)	688 ± 44 (69)
Upland	598 ± 33 (65)	810 ± 46 (65)	929 ± 45 (67)	893 ± 45 (70)	926 ± 41 (68)	957 ± 52 (68)	724 ± 33 (67)
Rubidoux	374 ± 30 (68)	562 ± 53 (68)	706 ± 59 (69)	697 ± 56 (70)	692 ± 60 (69)	675 ± 51 (70)	571 ± 42 (68)
<u>June to September 1985-89</u>							
N. Long Beach	243 ± 30 (85)	526 ± 39 (86)	511 ± 44 (86)	531 ± 43 (85)	472 ± 37 (86)	527 ± 44 (87)	299 ± 29 (87)
Anaheim	278 ± 23 (87)	567 ± 41 (78)	650 ± 53 (72)	639 ± 47 (85)	570 ± 44 (87)	628 ± 46 (85)	380 ± 27 (87)
Lynwood	565 ± 56 (84)	963 ± 75 (87)	1077 ± 89 (85)	945 ± 84 (87)	976 ± 70 (84)	1071 ± 95 (87)	674 ± 51 (84)
LA-N.Main	489 ± 39 (81)	854 ± 61 (81)	926 ± 75 (77)	909 ± 63 (83)	969 ± 69 (84)	972 ± 65 (82)	606 ± 41 (81)
Reseda	458 ± 33 (86)	710 ± 51 (87)	742 ± 60 (86)	782 ± 55 (85)	829 ± 63 (85)	832 ± 61 (85)	570 ± 44 (85)
Burbank	660 ± 42 (86)	885 ± 51 (87)	973 ± 61 (86)	998 ± 56 (87)	1026 ± 60 (86)	1019 ± 62 (87)	778 ± 51 (86)
Pico Rivera	408 ± 37 (87)	651 ± 48 (88)	714 ± 62 (86)	714 ± 53 (86)	646 ± 50 (86)	696 ± 57 (86)	518 ± 48 (86)
La Habra	508 ± 21 (86)	939 ± 57 (88)	1047 ± 76 (86)	1005 ± 58 (87)	959 ± 59 (87)	931 ± 68 (87)	618 ± 33 (86)
Azusa	440 ± 29 (87)	637 ± 40 (88)	682 ± 47 (86)	696 ± 46 (87)	739 ± 44 (86)	724 ± 49 (87)	552 ± 36 (87)
Pomona	527 ± 29 (87)	880 ± 54 (88)	959 ± 59 (86)	976 ± 55 (86)	1026 ± 62 (87)	1005 ± 57 (87)	738 ± 43 (87)
Upland	426 ± 22 (86)	771 ± 44 (85)	815 ± 45 (87)	904 ± 43 (85)	878 ± 44 (84)	868 ± 44 (85)	600 ± 27 (86)
Rubidoux	458 ± 31 (86)	685 ± 44 (88)	749 ± 56 (87)	767 ± 58 (86)	746 ± 54 (86)	763 ± 55 (87)	594 ± 41 (87)
<u>June to September 1990-94</u>							
N. Long Beach	272 ± 22 (77)	482 ± 32 (78)	536 ± 34 (80)	592 ± 41 (80)	494 ± 32 (79)	505 ± 27 (79)	387 ± 29 (78)
Anaheim	322 ± 23 (86)	545 ± 37 (85)	593 ± 43 (83)	624 ± 46 (86)	573 ± 37 (86)	517 ± 30 (87)	417 ± 23 (86)
Lynwood	418 ± 35 (83)	815 ± 77 (83)	869 ± 65 (84)	958 ± 84 (86)	823 ± 72 (85)	775 ± 59 (85)	608 ± 51 (85)
LA-N.Main	578 ± 36 (86)	830 ± 56 (86)	902 ± 60 (86)	914 ± 61 (87)	919 ± 60 (86)	861 ± 51 (87)	675 ± 39 (85)
Reseda	583 ± 29 (84)	719 ± 40 (83)	808 ± 45 (86)	752 ± 46 (85)	789 ± 43 (86)	773 ± 40 (85)	662 ± 36 (86)
Burbank	594 ± 38 (87)	737 ± 45 (87)	792 ± 51 (87)	779 ± 51 (88)	793 ± 50 (86)	753 ± 41 (86)	677 ± 40 (87)
Pico Rivera	469 ± 33 (85)	594 ± 39 (86)	701 ± 47 (86)	690 ± 51 (87)	678 ± 45 (85)	620 ± 41 (86)	565 ± 39 (85)
La Habra	421 ± 26 (87)	653 ± 45 (87)	753 ± 53 (86)	760 ± 56 (88)	685 ± 46 (86)	621 ± 35 (86)	483 ± 27 (87)
Azusa	463 ± 26 (87)	607 ± 39 (85)	699 ± 42 (87)	668 ± 37 (88)	656 ± 37 (87)	662 ± 41 (86)	540 ± 29 (87)
Pomona	598 ± 27 (86)	860 ± 48 (86)	942 ± 52 (87)	975 ± 56 (88)	959 ± 53 (87)	930 ± 49 (86)	763 ± 36 (86)
Upland	414 ± 43 (23)	721 ± 59 (21)	817 ± 66 (22)	734 ± 76 (22)	736 ± 93 (21)	678 ± 88 (21)	520 ± 54 (23)
Rubidoux	443 ± 32 (86)	628 ± 48 (87)	733 ± 53 (85)	755 ± 55 (86)	707 ± 54 (86)	715 ± 52 (85)	586 ± 39 (86)
<u>June-September 1995-98</u>							
N. Long Beach	227 ± 16 (59)	366 ± 26 (60)	367 ± 32 (59)	362 ± 27 (59)	348 ± 23 (59)	370 ± 26 (60)	291 ± 32 (59)
Anaheim	317 ± 18 (67)	486 ± 35 (65)	508 ± 34 (67)	511 ± 38 (68)	481 ± 29 (67)	476 ± 26 (68)	417 ± 26 (68)
Lynwood	440 ± 36 (70)	778 ± 60 (70)	893 ± 94 (68)	834 ± 66 (68)	802 ± 59 (67)	776 ± 54 (68)	630 ± 56 (70)
LA-N.Main	491 ± 35 (70)	673 ± 44 (71)	673 ± 43 (70)	716 ± 46 (69)	675 ± 43 (69)	730 ± 49 (69)	607 ± 45 (70)
Reseda	379 ± 26 (68)	549 ± 36 (68)	629 ± 38 (66)	549 ± 38 (65)	530 ± 31 (66)	569 ± 33 (67)	494 ± 38 (68)
Burbank	606 ± 32 (66)	681 ± 38 (67)	737 ± 42 (65)	733 ± 43 (65)	710 ± 36 (65)	748 ± 43 (66)	658 ± 36 (68)
Pico Rivera	469 ± 29 (69)	592 ± 38 (70)	633 ± 42 (69)	620 ± 39 (67)	596 ± 37 (69)	639 ± 39 (68)	568 ± 39 (70)
La Habra	362 ± 20 (68)	545 ± 33 (70)	606 ± 46 (70)	602 ± 44 (69)	555 ± 36 (69)	582 ± 34 (69)	447 ± 31 (70)
Azusa	403 ± 26 (67)	555 ± 35 (69)	506 ± 31 (67)	529 ± 33 (68)	515 ± 29 (69)	560 ± 33 (68)	478 ± 29 (69)
Pomona	598 ± 39 (69)	833 ± 55 (70)	791 ± 45 (67)	805 ± 46 (68)	811 ± 48 (68)	867 ± 54 (69)	703 ± 40 (70)
Upland	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rubidoux	436 ± 27 (65)	515 ± 36 (67)	549 ± 39 (67)	554 ± 40 (68)	548 ± 42 (68)	592 ± 44 (67)	527 ± 34 (67)

* Estimated from empirical relationship between CO and NMHC

Table 2.5-5
**Average Time (PST) in Morning at NO Equal to O₃ by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	7.3 ± 0.2 (51)	9.5 ± 0.3 (38)	9.3 ± 0.3 (28)	9.8 ± 0.2 (43)	9.5 ± 0.3 (34)	9.7 ± 0.2 (44)	8.6 ± 0.2 (56)
Anaheim	7.0 ± 0.2 (38)	7.7 ± 0.2 (50)	8.1 ± 0.2 (37)	8.2 ± 0.1 (54)	8.0 ± 0.1 (47)	8.1 ± 0.1 (48)	7.5 ± 0.2 (51)
Lynwood	7.0 ± 0.1 (45)	8.4 ± 0.2 (40)	8.7 ± 0.2 (33)	8.5 ± 0.2 (47)	8.0 ± 0.2 (49)	8.3 ± 0.2 (52)	7.9 ± 0.2 (49)
LA-N.Main	7.6 ± 0.1 (54)	8.7 ± 0.1 (54)	8.5 ± 0.1 (43)	8.8 ± 0.1 (55)	8.8 ± 0.2 (43)	8.7 ± 0.1 (57)	8.1 ± 0.1 (62)
Reseda	7.0 ± 0.1 (48)	7.6 ± 0.1 (48)	7.9 ± 0.1 (36)	7.7 ± 0.1 (53)	7.5 ± 0.1 (56)	7.8 ± 0.1 (57)	7.4 ± 0.1 (59)
Burbank	7.7 ± 0.2 (54)	8.5 ± 0.2 (49)	8.3 ± 0.1 (40)	8.3 ± 0.1 (56)	8.3 ± 0.1 (52)	8.5 ± 0.1 (50)	8.0 ± 0.1 (60)
Pico Rivera	7.0 ± 0.1 (53)	8.0 ± 0.1 (45)	8.1 ± 0.2 (39)	8.1 ± 0.2 (52)	7.8 ± 0.2 (51)	8.0 ± 0.2 (50)	7.8 ± 0.1 (60)
La Habra	7.0 ± 0.1 (47)	7.9 ± 0.2 (49)	8.0 ± 0.2 (42)	7.9 ± 0.2 (59)	7.8 ± 0.1 (54)	8.0 ± 0.2 (57)	7.4 ± 0.2 (55)
Azusa	7.4 ± 0.1 (57)	8.2 ± 0.1 (49)	8.2 ± 0.2 (31)	8.4 ± 0.1 (52)	8.3 ± 0.1 (53)	8.4 ± 0.1 (55)	7.7 ± 0.1 (58)
Pomona	7.5 ± 0.1 (56)	8.5 ± 0.2 (54)	8.7 ± 0.2 (40)	8.8 ± 0.1 (55)	8.6 ± 0.1 (60)	8.6 ± 0.1 (63)	8.0 ± 0.1 (64)
Upland	6.7 ± 0.1 (41)	7.4 ± 0.1 (49)	7.3 ± 0.2 (29)	7.3 ± 0.1 (54)	7.4 ± 0.1 (53)	7.3 ± 0.1 (53)	6.8 ± 0.1 (51)
Rubidoux	7.0 ± 0.1 (54)	7.5 ± 0.1 (45)	7.7 ± 0.2 (44)	7.6 ± 0.1 (49)	7.7 ± 0.1 (54)	7.6 ± 0.1 (57)	7.3 ± 0.1 (59)
<u>June to September 1985-89</u>							
N. Long Beach	7.8 ± 0.2 (57)	9.4 ± 0.2 (59)	9.9 ± 0.2 (46)	9.8 ± 0.2 (63)	9.6 ± 0.2 (59)	9.8 ± 0.2 (61)	8.3 ± 0.2 (65)
Anaheim	6.7 ± 0.1 (48)	7.7 ± 0.1 (54)	8.0 ± 0.1 (57)	7.9 ± 0.1 (72)	7.9 ± 0.1 (66)	8.1 ± 0.1 (67)	7.1 ± 0.1 (61)
Lynwood	7.2 ± 0.2 (53)	8.2 ± 0.2 (61)	8.0 ± 0.2 (44)	8.2 ± 0.1 (71)	8.1 ± 0.1 (67)	8.3 ± 0.1 (69)	7.7 ± 0.1 (68)
LA-N.Main	7.8 ± 0.1 (66)	8.7 ± 0.1 (57)	9.0 ± 0.1 (43)	8.9 ± 0.1 (70)	9.0 ± 0.1 (76)	9.0 ± 0.1 (73)	8.0 ± 0.1 (81)
Reseda	6.8 ± 0.1 (68)	7.7 ± 0.1 (56)	7.8 ± 0.1 (53)	7.8 ± 0.1 (63)	7.8 ± 0.1 (69)	7.9 ± 0.1 (73)	7.4 ± 0.1 (75)
Burbank	7.2 ± 0.1 (70)	8.5 ± 0.1 (50)	8.5 ± 0.1 (58)	8.6 ± 0.1 (66)	8.7 ± 0.1 (74)	8.8 ± 0.1 (76)	8.0 ± 0.1 (82)
Pico Rivera	7.2 ± 0.1 (67)	8.2 ± 0.1 (73)	8.4 ± 0.1 (53)	8.5 ± 0.1 (71)	8.4 ± 0.1 (79)	8.5 ± 0.1 (73)	7.7 ± 0.1 (81)
La Habra	6.8 ± 0.1 (49)	7.7 ± 0.1 (53)	8.0 ± 0.1 (50)	8.0 ± 0.1 (67)	7.9 ± 0.1 (72)	7.8 ± 0.1 (72)	7.2 ± 0.1 (68)
Azusa	7.0 ± 0.1 (62)	8.2 ± 0.1 (65)	8.3 ± 0.2 (47)	8.3 ± 0.1 (65)	8.4 ± 0.1 (67)	8.3 ± 0.1 (75)	7.6 ± 0.1 (72)
Pomona	7.5 ± 0.1 (76)	8.9 ± 0.1 (80)	8.8 ± 0.1 (62)	8.7 ± 0.1 (66)	8.7 ± 0.1 (76)	8.8 ± 0.1 (83)	8.2 ± 0.1 (84)
Upland	6.9 ± 0.1 (59)	7.6 ± 0.2 (45)	7.9 ± 0.1 (31)	7.8 ± 0.1 (66)	7.8 ± 0.1 (74)	7.7 ± 0.1 (68)	7.3 ± 0.1 (78)
Rubidoux	7.0 ± 0.1 (71)	7.4 ± 0.1 (74)	7.4 ± 0.1 (48)	7.6 ± 0.1 (67)	7.8 ± 0.1 (71)	7.6 ± 0.1 (71)	7.3 ± 0.1 (75)
<u>June to September 1990-94</u>							
N. Long Beach	7.4 ± 0.2 (42)	9.6 ± 0.2 (63)	9.4 ± 0.2 (56)	9.0 ± 0.2 (59)	9.4 ± 0.2 (60)	9.3 ± 0.2 (64)	8.3 ± 0.2 (63)
Anaheim	7.4 ± 0.1 (42)	8.0 ± 0.2 (61)	8.2 ± 0.1 (62)	8.4 ± 0.2 (66)	8.3 ± 0.2 (65)	8.1 ± 0.1 (74)	7.8 ± 0.1 (54)
Lynwood	7.8 ± 0.2 (49)	8.7 ± 0.1 (72)	8.6 ± 0.2 (68)	8.7 ± 0.2 (72)	8.6 ± 0.2 (72)	8.9 ± 0.1 (76)	8.0 ± 0.2 (63)
LA-N.Main	7.7 ± 0.1 (56)	8.8 ± 0.1 (73)	9.1 ± 0.1 (75)	9.0 ± 0.1 (78)	8.9 ± 0.1 (74)	9.0 ± 0.1 (74)	8.2 ± 0.1 (74)
Reseda	6.9 ± 0.1 (63)	7.8 ± 0.1 (61)	7.8 ± 0.1 (65)	7.8 ± 0.1 (68)	7.8 ± 0.1 (66)	7.9 ± 0.1 (69)	7.3 ± 0.1 (70)
Burbank	7.5 ± 0.1 (68)	8.7 ± 0.1 (70)	8.6 ± 0.1 (68)	8.7 ± 0.1 (67)	8.8 ± 0.1 (73)	8.7 ± 0.1 (77)	8.0 ± 0.1 (80)
Pico Rivera	7.1 ± 0.1 (65)	8.2 ± 0.1 (70)	8.5 ± 0.1 (73)	8.6 ± 0.1 (75)	8.3 ± 0.1 (74)	8.4 ± 0.1 (75)	7.8 ± 0.1 (68)
La Habra	6.7 ± 0.1 (51)	7.8 ± 0.2 (70)	8.0 ± 0.1 (75)	8.1 ± 0.1 (76)	7.8 ± 0.1 (69)	8.0 ± 0.1 (73)	7.5 ± 0.1 (59)
Azusa	7.0 ± 0.1 (58)	8.3 ± 0.2 (68)	8.5 ± 0.1 (76)	8.6 ± 0.1 (76)	8.6 ± 0.1 (73)	8.7 ± 0.1 (71)	7.7 ± 0.1 (64)
Pomona	7.4 ± 0.1 (73)	8.8 ± 0.1 (74)	9.0 ± 0.1 (68)	9.0 ± 0.1 (75)	8.8 ± 0.1 (80)	8.8 ± 0.1 (76)	8.2 ± 0.1 (80)
Upland	7.2 ± 0.1 (60)	7.8 ± 0.2 (66)	8.2 ± 0.1 (75)	8.1 ± 0.1 (78)	8.0 ± 0.1 (73)	8.0 ± 0.1 (78)	7.6 ± 0.1 (77)
Rubidoux	6.8 ± 0.1 (71)	7.5 ± 0.1 (68)	7.5 ± 0.1 (68)	7.9 ± 0.1 (67)	7.9 ± 0.1 (57)	7.6 ± 0.1 (63)	7.3 ± 0.1 (72)
<u>June-September 1995-98</u>							
N. Long Beach	7.3 ± 0.3 (26)	9.2 ± 0.2 (46)	9.2 ± 0.3 (40)	9.3 ± 0.3 (42)	9.5 ± 0.3 (37)	9.6 ± 0.3 (40)	9.1 ± 0.3 (26)
Anaheim	7.7 ± 0.3 (22)	8.5 ± 0.2 (45)	8.7 ± 0.2 (49)	8.5 ± 0.2 (54)	8.7 ± 0.1 (49)	8.3 ± 0.2 (42)	7.9 ± 0.2 (34)
Lynwood	8.3 ± 0.2 (45)	10.0 ± 0.2 (60)	9.5 ± 0.3 (51)	9.4 ± 0.2 (46)	10.0 ± 0.2 (48)	9.6 ± 0.2 (50)	9.0 ± 0.2 (56)
LA-N.Main	8.3 ± 0.2 (41)	9.2 ± 0.2 (56)	9.4 ± 0.2 (53)	9.2 ± 0.1 (57)	9.3 ± 0.1 (51)	9.3 ± 0.1 (53)	8.8 ± 0.1 (48)
Reseda	7.0 ± 0.1 (51)	7.8 ± 0.1 (58)	8.3 ± 0.1 (58)	8.2 ± 0.1 (54)	8.1 ± 0.1 (51)	8.1 ± 0.1 (53)	7.6 ± 0.1 (49)
Burbank	7.6 ± 0.1 (44)	8.7 ± 0.2 (46)	9.0 ± 0.2 (42)	8.8 ± 0.1 (51)	9.0 ± 0.2 (43)	9.0 ± 0.1 (52)	8.2 ± 0.1 (48)
Pico Rivera	7.7 ± 0.2 (43)	8.4 ± 0.2 (60)	8.5 ± 0.2 (50)	8.5 ± 0.2 (54)	8.7 ± 0.2 (52)	8.5 ± 0.2 (51)	8.1 ± 0.2 (48)
La Habra	7.0 ± 0.1 (34)	8.2 ± 0.2 (57)	8.5 ± 0.2 (52)	8.2 ± 0.1 (57)	8.4 ± 0.1 (54)	8.2 ± 0.1 (56)	7.8 ± 0.2 (45)
Azusa	7.1 ± 0.2 (45)	8.6 ± 0.2 (54)	8.8 ± 0.2 (42)	8.7 ± 0.1 (50)	8.8 ± 0.1 (56)	8.8 ± 0.2 (50)	8.0 ± 0.1 (52)
Pomona	7.8 ± 0.1 (61)	9.2 ± 0.1 (68)	9.4 ± 0.1 (64)	9.4 ± 0.1 (65)	9.4 ± 0.1 (61)	9.4 ± 0.1 (63)	8.8 ± 0.1 (63)
Upland	7.1 ± 0.2 (27)	8.2 ± 0.2 (52)	8.5 ± 0.2 (43)	8.6 ± 0.1 (46)	8.7 ± 0.2 (44)	8.3 ± 0.2 (40)	7.6 ± 0.2 (43)
Rubidoux	7.0 ± 0.1 (42)	7.6 ± 0.1 (49)	7.8 ± 0.1 (53)	7.8 ± 0.1 (53)	7.7 ± 0.1 (53)	7.7 ± 0.1 (49)	7.7 ± 0.1 (52)

Table 2.6-1
**Average Time (PST) at Maximum O₃ by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	12.3 ± 0.3 (58)	12.6 ± 0.4 (50)	12.7 ± 0.4 (59)	12.3 ± 0.4 (58)	12.5 ± 0.3 (60)	12.7 ± 0.3 (62)	12.7 ± 0.3 (60)
Anaheim	11.9 ± 0.2 (67)	11.5 ± 0.3 (68)	11.9 ± 0.3 (64)	11.6 ± 0.3 (69)	12.3 ± 0.3 (67)	12.2 ± 0.2 (68)	11.9 ± 0.2 (67)
Lynwood	11.6 ± 0.2 (67)	11.9 ± 0.2 (66)	11.6 ± 0.2 (68)	11.6 ± 0.2 (66)	11.3 ± 0.2 (65)	11.7 ± 0.2 (67)	11.4 ± 0.2 (67)
LA-N.Main	12.1 ± 0.1 (68)	12.0 ± 0.2 (68)	12.0 ± 0.2 (67)	11.9 ± 0.2 (70)	11.6 ± 0.2 (69)	12.3 ± 0.2 (67)	12.0 ± 0.2 (69)
Reseda	12.0 ± 0.2 (67)	12.3 ± 0.3 (69)	12.3 ± 0.2 (69)	11.9 ± 0.3 (70)	11.7 ± 0.3 (69)	12.0 ± 0.2 (70)	12.0 ± 0.2 (69)
Burbank	12.4 ± 0.2 (67)	12.5 ± 0.1 (69)	12.6 ± 0.1 (68)	12.4 ± 0.1 (70)	12.4 ± 0.2 (68)	12.5 ± 0.1 (66)	12.7 ± 0.2 (67)
Pico Rivera	12.6 ± 0.2 (69)	12.5 ± 0.1 (68)	12.4 ± 0.2 (67)	12.1 ± 0.2 (71)	12.3 ± 0.2 (66)	12.4 ± 0.2 (67)	12.6 ± 0.1 (69)
La Habra	12.1 ± 0.2 (66)	12.0 ± 0.2 (69)	11.8 ± 0.3 (68)	12.3 ± 0.2 (69)	12.3 ± 0.2 (67)	12.3 ± 0.2 (66)	12.3 ± 0.2 (68)
Azusa	13.2 ± 0.3 (68)	13.3 ± 0.1 (69)	13.2 ± 0.2 (70)	12.9 ± 0.2 (71)	12.7 ± 0.3 (70)	13.1 ± 0.2 (70)	12.9 ± 0.2 (69)
Pomona	13.7 ± 0.2 (68)	13.4 ± 0.2 (69)	13.2 ± 0.2 (69)	13.5 ± 0.2 (68)	13.3 ± 0.2 (67)	13.2 ± 0.3 (69)	13.2 ± 0.2 (68)
Upland	14.0 ± 0.3 (68)	14.1 ± 0.2 (69)	13.9 ± 0.2 (70)	13.9 ± 0.2 (71)	13.7 ± 0.3 (70)	13.7 ± 0.4 (70)	13.9 ± 0.2 (68)
Rubidoux	13.5 ± 0.3 (68)	13.4 ± 0.2 (69)	13.8 ± 0.1 (70)	13.4 ± 0.2 (71)	13.6 ± 0.2 (69)	13.8 ± 0.2 (70)	13.4 ± 0.2 (68)
<u>June to September 1985-89</u>							
N. Long Beach	12.0 ± 0.3 (78)	12.3 ± 0.3 (72)	12.9 ± 0.3 (70)	12.7 ± 0.3 (74)	13.2 ± 0.3 (70)	12.8 ± 0.3 (69)	12.7 ± 0.3 (74)
Anaheim	11.8 ± 0.2 (84)	11.7 ± 0.2 (87)	11.9 ± 0.2 (86)	12.3 ± 0.2 (84)	11.9 ± 0.2 (84)	12.0 ± 0.2 (85)	11.9 ± 0.2 (84)
Lynwood	11.3 ± 0.1 (82)	11.6 ± 0.2 (86)	11.6 ± 0.1 (83)	11.6 ± 0.2 (85)	11.4 ± 0.2 (83)	11.4 ± 0.2 (83)	11.8 ± 0.2 (81)
LA-N.Main	11.6 ± 0.1 (87)	11.9 ± 0.1 (88)	11.9 ± 0.2 (87)	11.9 ± 0.2 (87)	12.1 ± 0.2 (87)	12.0 ± 0.2 (87)	11.9 ± 0.2 (87)
Reseda	12.0 ± 0.2 (86)	12.4 ± 0.1 (87)	12.6 ± 0.2 (85)	12.5 ± 0.2 (85)	12.4 ± 0.1 (86)	12.4 ± 0.2 (85)	12.6 ± 0.1 (86)
Burbank	12.2 ± 0.1 (87)	12.3 ± 0.1 (87)	12.3 ± 0.1 (86)	12.5 ± 0.1 (86)	12.4 ± 0.1 (87)	12.4 ± 0.2 (87)	12.4 ± 0.1 (86)
Pico Rivera	12.4 ± 0.1 (87)	12.4 ± 0.1 (88)	12.5 ± 0.1 (87)	12.6 ± 0.1 (85)	12.2 ± 0.2 (87)	12.3 ± 0.2 (86)	12.3 ± 0.2 (87)
La Habra	12.4 ± 0.2 (87)	12.0 ± 0.2 (88)	12.0 ± 0.2 (86)	11.9 ± 0.2 (87)	12.2 ± 0.3 (86)	12.4 ± 0.2 (84)	12.2 ± 0.2 (87)
Azusa	13.4 ± 0.1 (87)	13.3 ± 0.1 (88)	12.8 ± 0.2 (87)	13.0 ± 0.2 (86)	13.2 ± 0.1 (87)	13.2 ± 0.1 (87)	13.3 ± 0.2 (87)
Pomona	13.4 ± 0.1 (87)	13.4 ± 0.1 (88)	13.2 ± 0.1 (86)	13.1 ± 0.1 (85)	13.3 ± 0.1 (86)	13.4 ± 0.1 (86)	13.3 ± 0.2 (87)
Upland	14.2 ± 0.2 (86)	14.0 ± 0.1 (88)	13.7 ± 0.2 (87)	13.6 ± 0.2 (87)	13.8 ± 0.1 (87)	14.1 ± 0.1 (87)	13.9 ± 0.1 (87)
Rubidoux	13.6 ± 0.2 (86)	13.6 ± 0.1 (88)	13.4 ± 0.2 (86)	13.5 ± 0.2 (87)	13.3 ± 0.2 (87)	13.5 ± 0.2 (87)	13.3 ± 0.2 (87)
<u>June to September 1990-94</u>							
N. Long Beach	12.2 ± 0.3 (76)	12.8 ± 0.4 (68)	13.5 ± 0.3 (69)	13.6 ± 0.3 (71)	13.4 ± 0.2 (71)	12.5 ± 0.4 (68)	12.6 ± 0.2 (73)
Anaheim	11.7 ± 0.2 (85)	12.4 ± 0.2 (83)	12.2 ± 0.2 (84)	12.2 ± 0.2 (86)	12.4 ± 0.2 (84)	12.4 ± 0.2 (82)	12.0 ± 0.2 (86)
Lynwood	11.0 ± 0.1 (82)	11.7 ± 0.2 (81)	11.9 ± 0.1 (81)	12.2 ± 0.2 (81)	12.1 ± 0.1 (82)	11.8 ± 0.2 (78)	11.6 ± 0.1 (85)
LA-N.Main	11.8 ± 0.1 (86)	12.4 ± 0.2 (86)	12.2 ± 0.1 (87)	12.2 ± 0.2 (88)	12.7 ± 0.1 (85)	12.5 ± 0.2 (86)	12.2 ± 0.1 (86)
Reseda	12.3 ± 0.1 (86)	12.7 ± 0.2 (87)	12.7 ± 0.2 (87)	13.0 ± 0.2 (88)	12.9 ± 0.1 (87)	12.7 ± 0.1 (87)	12.9 ± 0.1 (85)
Burbank	12.2 ± 0.1 (87)	12.8 ± 0.1 (87)	12.5 ± 0.1 (87)	12.6 ± 0.2 (87)	12.6 ± 0.2 (87)	12.6 ± 0.2 (87)	12.6 ± 0.1 (87)
Pico Rivera	12.3 ± 0.1 (84)	12.7 ± 0.2 (87)	12.5 ± 0.1 (86)	12.6 ± 0.1 (88)	12.8 ± 0.1 (86)	12.7 ± 0.1 (86)	12.6 ± 0.1 (86)
La Habra	12.0 ± 0.2 (86)	12.4 ± 0.2 (85)	12.2 ± 0.3 (85)	12.3 ± 0.2 (86)	12.6 ± 0.2 (87)	12.6 ± 0.2 (87)	12.4 ± 0.2 (86)
Azusa	13.2 ± 0.1 (87)	13.3 ± 0.1 (86)	13.2 ± 0.1 (87)	13.2 ± 0.2 (88)	13.4 ± 0.1 (87)	13.3 ± 0.1 (87)	13.2 ± 0.2 (87)
Pomona	13.2 ± 0.1 (86)	13.4 ± 0.1 (86)	13.5 ± 0.1 (87)	13.6 ± 0.1 (87)	13.6 ± 0.1 (86)	13.7 ± 0.1 (86)	13.4 ± 0.2 (86)
Upland	14.2 ± 0.1 (87)	14.1 ± 0.1 (87)	14.0 ± 0.1 (87)	14.3 ± 0.1 (88)	13.9 ± 0.2 (87)	13.9 ± 0.2 (87)	14.1 ± 0.1 (87)
Rubidoux	13.5 ± 0.2 (86)	13.4 ± 0.2 (87)	13.6 ± 0.1 (86)	13.6 ± 0.1 (87)	13.4 ± 0.2 (86)	13.4 ± 0.1 (86)	13.6 ± 0.2 (86)
<u>June-September 1995-98</u>							
N. Long Beach	13.3 ± 0.3 (56)	13.5 ± 0.3 (51)	13.9 ± 0.3 (55)	13.1 ± 0.5 (55)	14.8 ± 0.4 (53)	13.6 ± 0.4 (45)	13.6 ± 0.3 (55)
Anaheim	12.9 ± 0.2 (69)	13.2 ± 0.2 (69)	13.1 ± 0.2 (69)	12.9 ± 0.2 (68)	13.4 ± 0.3 (64)	13.1 ± 0.2 (65)	13.1 ± 0.2 (70)
Lynwood	12.2 ± 0.2 (69)	12.5 ± 0.1 (66)	12.6 ± 0.3 (68)	12.4 ± 0.2 (67)	13.2 ± 0.3 (63)	12.9 ± 0.2 (62)	12.5 ± 0.2 (64)
LA-N.Main	12.8 ± 0.2 (70)	13.5 ± 0.2 (71)	13.5 ± 0.3 (70)	13.4 ± 0.2 (69)	13.3 ± 0.2 (68)	13.7 ± 0.2 (69)	13.4 ± 0.2 (70)
Reseda	13.0 ± 0.2 (69)	13.5 ± 0.2 (71)	13.8 ± 0.2 (69)	13.6 ± 0.2 (69)	13.9 ± 0.2 (67)	13.7 ± 0.2 (68)	13.6 ± 0.2 (70)
Burbank	13.0 ± 0.1 (67)	13.3 ± 0.2 (67)	13.6 ± 0.2 (67)	13.1 ± 0.2 (66)	12.8 ± 0.2 (64)	13.4 ± 0.2 (66)	13.3 ± 0.2 (68)
Pico Rivera	12.7 ± 0.1 (68)	13.2 ± 0.1 (69)	13.3 ± 0.2 (69)	13.1 ± 0.1 (69)	13.2 ± 0.2 (65)	13.2 ± 0.2 (67)	12.9 ± 0.1 (69)
La Habra	12.8 ± 0.1 (69)	13.3 ± 0.2 (70)	13.0 ± 0.2 (70)	13.1 ± 0.2 (69)	13.1 ± 0.2 (64)	13.3 ± 0.2 (65)	13.4 ± 0.1 (70)
Azusa	13.5 ± 0.1 (69)	13.5 ± 0.2 (70)	13.7 ± 0.2 (68)	13.3 ± 0.2 (69)	13.0 ± 0.3 (69)	13.8 ± 0.1 (68)	13.7 ± 0.1 (69)
Pomona	13.8 ± 0.1 (69)	14.1 ± 0.1 (70)	13.9 ± 0.2 (70)	13.8 ± 0.1 (69)	13.5 ± 0.3 (67)	13.8 ± 0.2 (67)	14.1 ± 0.1 (69)
Upland	14.3 ± 0.1 (61)	14.0 ± 0.3 (61)	14.2 ± 0.1 (61)	14.2 ± 0.2 (61)	13.9 ± 0.2 (58)	14.5 ± 0.2 (58)	14.7 ± 0.1 (60)
Rubidoux	14.2 ± 0.2 (66)	13.8 ± 0.2 (68)	14.0 ± 0.2 (68)	13.6 ± 0.2 (68)	13.3 ± 0.2 (67)	13.7 ± 0.2 (67)	14.1 ± 0.2 (67)

Table 2.6-2
Duration (hours) of Ozone Accumulation* by Day-of-the-Week,
Standard Error and Observations

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	5.0 ± 0.4 (45)	3.6 ± 0.6 (29)	3.4 ± 0.5 (24)	2.4 ± 0.3 (39)	2.5 ± 0.4 (33)	3.1 ± 0.4 (43)	3.8 ± 0.3 (51)
Anaheim	5.2 ± 0.4 (37)	4.0 ± 0.3 (49)	3.5 ± 0.5 (35)	3.4 ± 0.4 (54)	4.6 ± 0.3 (46)	4.4 ± 0.3 (46)	4.6 ± 0.3 (51)
Lynwood	4.7 ± 0.3 (45)	3.3 ± 0.3 (39)	2.9 ± 0.3 (33)	3.0 ± 0.2 (46)	3.1 ± 0.3 (46)	3.2 ± 0.2 (51)	3.7 ± 0.3 (49)
LA-N.Main	4.4 ± 0.2 (54)	3.2 ± 0.2 (53)	3.6 ± 0.2 (42)	3.1 ± 0.2 (55)	2.7 ± 0.3 (43)	3.6 ± 0.2 (57)	3.8 ± 0.2 (62)
Reseda	4.9 ± 0.2 (47)	4.8 ± 0.2 (48)	4.2 ± 0.2 (36)	4.1 ± 0.3 (53)	4.5 ± 0.2 (55)	4.2 ± 0.2 (57)	4.7 ± 0.2 (59)
Burbank	4.8 ± 0.3 (54)	3.9 ± 0.2 (49)	4.2 ± 0.2 (40)	4.1 ± 0.2 (56)	4.1 ± 0.2 (52)	4.0 ± 0.2 (49)	4.6 ± 0.2 (60)
Pico Rivera	5.4 ± 0.3 (53)	4.7 ± 0.2 (45)	4.5 ± 0.3 (38)	4.2 ± 0.3 (52)	4.5 ± 0.3 (49)	4.3 ± 0.2 (50)	4.7 ± 0.2 (60)
La Habra	5.4 ± 0.3 (45)	4.0 ± 0.2 (49)	4.1 ± 0.3 (40)	4.3 ± 0.2 (58)	4.3 ± 0.3 (53)	4.5 ± 0.3 (55)	4.9 ± 0.3 (55)
Azusa	5.6 ± 0.3 (57)	5.1 ± 0.2 (49)	5.0 ± 0.2 (31)	4.4 ± 0.3 (52)	4.8 ± 0.2 (53)	4.7 ± 0.3 (55)	5.3 ± 0.2 (58)
Pomona	6.1 ± 0.2 (56)	4.9 ± 0.2 (54)	4.6 ± 0.2 (39)	4.6 ± 0.2 (55)	4.7 ± 0.2 (59)	4.8 ± 0.2 (63)	5.2 ± 0.2 (64)
Upland	7.4 ± 0.3 (41)	6.7 ± 0.3 (49)	6.6 ± 0.3 (29)	6.6 ± 0.3 (54)	6.3 ± 0.2 (53)	6.6 ± 0.3 (53)	7.0 ± 0.2 (51)
Rubidoux	6.5 ± 0.3 (54)	5.8 ± 0.4 (45)	6.1 ± 0.2 (44)	5.9 ± 0.2 (49)	5.9 ± 0.2 (54)	6.1 ± 0.2 (57)	6.1 ± 0.2 (59)
<u>June to September 1985-89</u>							
N. Long Beach	4.0 ± 0.3 (55)	2.8 ± 0.4 (51)	2.5 ± 0.5 (41)	2.6 ± 0.3 (58)	3.3 ± 0.4 (52)	3.0 ± 0.3 (56)	4.6 ± 0.4 (61)
Anaheim	5.3 ± 0.3 (48)	4.0 ± 0.2 (53)	3.9 ± 0.3 (56)	4.3 ± 0.2 (71)	4.1 ± 0.2 (65)	4.0 ± 0.2 (66)	4.9 ± 0.2 (61)
Lynwood	4.0 ± 0.2 (53)	3.2 ± 0.2 (61)	3.3 ± 0.2 (43)	3.3 ± 0.2 (71)	3.6 ± 0.2 (65)	3.2 ± 0.2 (67)	4.1 ± 0.3 (68)
LA-N.Main	3.8 ± 0.2 (66)	3.1 ± 0.2 (57)	2.5 ± 0.3 (43)	3.0 ± 0.2 (70)	3.1 ± 0.2 (76)	2.9 ± 0.2 (73)	3.8 ± 0.2 (81)
Reseda	4.9 ± 0.2 (67)	4.4 ± 0.2 (55)	4.7 ± 0.2 (53)	4.5 ± 0.2 (63)	4.5 ± 0.2 (69)	4.3 ± 0.2 (72)	5.1 ± 0.2 (75)
Burbank	4.9 ± 0.2 (70)	3.8 ± 0.2 (49)	3.7 ± 0.1 (58)	3.8 ± 0.1 (66)	3.7 ± 0.2 (74)	3.6 ± 0.2 (76)	4.4 ± 0.1 (82)
Pico Rivera	5.1 ± 0.2 (67)	4.2 ± 0.2 (73)	4.0 ± 0.2 (53)	4.1 ± 0.2 (71)	3.7 ± 0.2 (79)	4.0 ± 0.2 (73)	4.6 ± 0.2 (81)
La Habra	5.8 ± 0.3 (49)	4.1 ± 0.2 (53)	3.9 ± 0.4 (49)	4.0 ± 0.2 (67)	4.4 ± 0.3 (71)	4.7 ± 0.2 (71)	5.3 ± 0.2 (68)
Azusa	6.3 ± 0.1 (62)	5.1 ± 0.2 (65)	4.5 ± 0.2 (47)	4.7 ± 0.3 (65)	4.6 ± 0.2 (67)	4.9 ± 0.2 (75)	5.6 ± 0.1 (72)
Pomona	5.9 ± 0.2 (76)	4.5 ± 0.2 (80)	4.3 ± 0.2 (61)	4.5 ± 0.2 (65)	4.7 ± 0.1 (75)	4.6 ± 0.2 (83)	5.2 ± 0.1 (84)
Upland	7.3 ± 0.2 (59)	6.4 ± 0.2 (45)	5.6 ± 0.2 (31)	5.8 ± 0.3 (66)	6.0 ± 0.2 (74)	6.4 ± 0.2 (68)	6.6 ± 0.2 (78)
Rubidoux	6.5 ± 0.2 (71)	6.1 ± 0.2 (74)	6.1 ± 0.2 (48)	5.9 ± 0.2 (67)	5.7 ± 0.2 (71)	5.8 ± 0.2 (71)	6.0 ± 0.2 (75)
<u>June to September 1990-94</u>							
N. Long Beach	4.3 ± 0.3 (38)	3.0 ± 0.3 (53)	3.3 ± 0.4 (47)	4.1 ± 0.4 (53)	3.6 ± 0.4 (53)	3.6 ± 0.3 (53)	4.4 ± 0.3 (54)
Anaheim	4.5 ± 0.2 (42)	4.2 ± 0.2 (59)	4.3 ± 0.2 (61)	4.1 ± 0.2 (64)	4.2 ± 0.2 (64)	4.2 ± 0.3 (69)	4.6 ± 0.2 (54)
Lynwood	3.5 ± 0.2 (47)	3.2 ± 0.2 (67)	3.1 ± 0.2 (65)	3.4 ± 0.2 (67)	3.5 ± 0.2 (67)	2.9 ± 0.2 (71)	3.5 ± 0.2 (63)
LA-N.Main	4.0 ± 0.2 (56)	3.5 ± 0.2 (73)	3.2 ± 0.2 (75)	3.2 ± 0.3 (78)	3.7 ± 0.2 (73)	3.3 ± 0.3 (74)	3.9 ± 0.2 (74)
Reseda	5.3 ± 0.2 (63)	5.0 ± 0.2 (61)	4.7 ± 0.2 (65)	4.9 ± 0.2 (68)	4.9 ± 0.2 (66)	4.8 ± 0.2 (69)	5.4 ± 0.2 (69)
Burbank	4.6 ± 0.2 (68)	3.9 ± 0.2 (70)	3.9 ± 0.2 (68)	3.8 ± 0.2 (67)	3.8 ± 0.3 (73)	3.9 ± 0.2 (77)	4.6 ± 0.2 (80)
Pico Rivera	5.0 ± 0.2 (64)	4.6 ± 0.2 (70)	3.9 ± 0.2 (72)	3.9 ± 0.2 (75)	4.5 ± 0.2 (74)	4.3 ± 0.2 (75)	4.7 ± 0.2 (68)
La Habra	5.6 ± 0.2 (51)	4.6 ± 0.3 (70)	4.0 ± 0.3 (75)	4.2 ± 0.2 (75)	4.8 ± 0.3 (69)	4.6 ± 0.3 (73)	5.2 ± 0.2 (58)
Azusa	6.2 ± 0.2 (58)	5.1 ± 0.2 (68)	4.6 ± 0.1 (76)	4.6 ± 0.2 (76)	4.8 ± 0.2 (73)	4.5 ± 0.2 (71)	5.8 ± 0.2 (64)
Pomona	5.7 ± 0.2 (72)	4.6 ± 0.1 (73)	4.6 ± 0.2 (68)	4.6 ± 0.2 (74)	4.8 ± 0.2 (79)	4.9 ± 0.2 (76)	5.3 ± 0.1 (79)
Upland	6.8 ± 0.3 (60)	6.3 ± 0.2 (66)	5.9 ± 0.2 (75)	6.0 ± 0.2 (78)	6.0 ± 0.2 (73)	6.0 ± 0.2 (78)	6.5 ± 0.2 (77)
Rubidoux	6.6 ± 0.2 (71)	5.8 ± 0.2 (68)	6.0 ± 0.2 (68)	5.8 ± 0.2 (67)	5.4 ± 0.2 (57)	5.8 ± 0.2 (63)	6.3 ± 0.2 (72)
<u>June-September 1995-98</u>							
N. Long Beach	6.1 ± 0.5 (26)	4.4 ± 0.4 (43)	4.4 ± 0.4 (38)	3.4 ± 0.5 (39)	4.5 ± 0.6 (34)	3.9 ± 0.4 (34)	4.6 ± 0.5 (26)
Anaheim	5.6 ± 0.4 (22)	4.9 ± 0.2 (45)	4.6 ± 0.2 (49)	4.5 ± 0.2 (54)	4.6 ± 0.3 (49)	4.8 ± 0.3 (42)	5.5 ± 0.3 (34)
Lynwood	3.8 ± 0.3 (45)	2.4 ± 0.3 (56)	3.0 ± 0.3 (50)	2.9 ± 0.3 (45)	2.8 ± 0.3 (45)	3.1 ± 0.3 (46)	3.7 ± 0.3 (53)
LA-N.Main	4.7 ± 0.3 (41)	4.4 ± 0.3 (56)	4.1 ± 0.4 (53)	4.1 ± 0.2 (57)	4.3 ± 0.2 (51)	4.2 ± 0.2 (53)	4.6 ± 0.2 (48)
Reseda	5.8 ± 0.3 (51)	5.6 ± 0.2 (58)	5.6 ± 0.2 (58)	5.3 ± 0.2 (54)	5.7 ± 0.2 (51)	5.4 ± 0.2 (53)	5.7 ± 0.2 (49)
Burbank	5.4 ± 0.2 (44)	4.6 ± 0.2 (46)	4.5 ± 0.2 (42)	4.2 ± 0.2 (51)	3.9 ± 0.2 (43)	4.2 ± 0.2 (51)	5.0 ± 0.2 (48)
Pico Rivera	5.0 ± 0.3 (42)	4.8 ± 0.3 (59)	4.7 ± 0.3 (49)	4.5 ± 0.2 (54)	4.5 ± 0.3 (51)	4.7 ± 0.2 (51)	4.7 ± 0.2 (47)
La Habra	6.1 ± 0.3 (34)	5.3 ± 0.2 (56)	4.3 ± 0.3 (52)	5.0 ± 0.2 (57)	4.7 ± 0.2 (53)	5.1 ± 0.2 (53)	5.8 ± 0.2 (45)
Azusa	6.2 ± 0.2 (45)	5.1 ± 0.2 (54)	4.8 ± 0.3 (42)	4.4 ± 0.3 (50)	4.5 ± 0.4 (56)	4.8 ± 0.2 (50)	5.5 ± 0.2 (52)
Pomona	6.0 ± 0.2 (61)	4.9 ± 0.2 (67)	4.4 ± 0.2 (64)	4.4 ± 0.2 (65)	4.3 ± 0.3 (61)	4.3 ± 0.3 (62)	5.3 ± 0.2 (62)
Upland	7.3 ± 0.2 (27)	6.0 ± 0.2 (52)	5.7 ± 0.2 (43)	5.5 ± 0.2 (46)	5.2 ± 0.2 (44)	6.1 ± 0.3 (39)	7.2 ± 0.2 (43)
Rubidoux	7.1 ± 0.2 (42)	6.0 ± 0.2 (49)	6.0 ± 0.2 (53)	6.0 ± 0.2 (53)	5.8 ± 0.2 (52)	6.0 ± 0.2 (49)	6.4 ± 0.2 (52)

* t[O3]max-t(NO=O3)

Table 2.6-3
Ozone Accumulation Rate (ppb O₃/hour)* by Day-of-the-Week,
Standard Error and Observations

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	15.0 ± 3.1 (44)	15.7 ± 2.5 (29)	14.3 ± 2.1 (23)	23.1 ± 4.0 (38)	21.8 ± 2.4 (33)	17.8 ± 2.3 (43)	14.8 ± 2.0 (51)
Anaheim	18.1 ± 1.7 (37)	17.3 ± 1.7 (49)	19.1 ± 2.3 (35)	18.1 ± 1.8 (54)	17.8 ± 1.5 (46)	16.9 ± 1.3 (46)	21.5 ± 2.1 (51)
Lynwood	18.4 ± 2.2 (45)	14.6 ± 1.8 (38)	18.4 ± 2.2 (33)	19.7 ± 2.1 (46)	20.7 ± 2.5 (46)	19.7 ± 1.8 (51)	19.9 ± 2.3 (48)
LA-N.Main	25.7 ± 1.8 (54)	28.4 ± 2.4 (53)	27.3 ± 2.1 (42)	26.5 ± 2.1 (55)	29.4 ± 2.8 (42)	27.5 ± 1.8 (57)	28.3 ± 2.1 (62)
Reseda	22.3 ± 1.3 (47)	22.0 ± 1.2 (48)	25.8 ± 1.8 (36)	24.0 ± 1.6 (53)	25.4 ± 1.4 (55)	25.6 ± 1.4 (57)	23.5 ± 1.2 (59)
Burbank	22.7 ± 1.2 (54)	27.1 ± 1.9 (49)	24.7 ± 1.7 (40)	27.1 ± 1.7 (56)	28.6 ± 2.0 (51)	28.0 ± 2.0 (49)	24.2 ± 1.3 (60)
Pico Rivera	24.9 ± 1.6 (53)	24.5 ± 2.0 (45)	30.8 ± 3.1 (38)	31.8 ± 3.4 (52)	30.4 ± 2.7 (49)	30.8 ± 2.5 (50)	27.7 ± 2.2 (60)
La Habra	21.2 ± 1.4 (45)	18.3 ± 1.5 (49)	24.0 ± 2.3 (40)	20.2 ± 1.9 (58)	21.3 ± 1.6 (53)	18.8 ± 1.5 (55)	21.8 ± 1.9 (55)
Azusa	26.1 ± 1.5 (57)	28.6 ± 1.9 (49)	29.7 ± 2.8 (31)	29.2 ± 2.2 (52)	33.2 ± 2.0 (53)	32.7 ± 2.3 (55)	30.2 ± 1.7 (58)
Pomona	21.9 ± 1.3 (56)	24.6 ± 1.4 (54)	27.5 ± 1.8 (39)	27.4 ± 1.6 (55)	28.2 ± 1.3 (59)	27.0 ± 1.5 (63)	24.6 ± 1.4 (64)
Upland	19.4 ± 1.0 (41)	20.3 ± 1.1 (49)	24.6 ± 1.8 (29)	21.6 ± 1.2 (54)	24.7 ± 1.1 (53)	23.7 ± 1.3 (53)	21.5 ± 0.9 (51)
Rubidoux	19.7 ± 0.9 (54)	20.5 ± 1.1 (45)	21.8 ± 1.5 (44)	23.3 ± 1.3 (49)	24.7 ± 1.5 (54)	23.1 ± 1.2 (56)	22.4 ± 1.0 (59)
<u>June to September 1985-89</u>							
N. Long Beach	13.4 ± 1.6 (55)	13.6 ± 2.0 (51)	12.7 ± 1.6 (41)	10.6 ± 0.9 (58)	14.6 ± 1.7 (51)	12.9 ± 1.2 (56)	11.8 ± 1.4 (60)
Anaheim	15.0 ± 1.1 (48)	14.1 ± 1.1 (54)	15.2 ± 1.4 (56)	14.0 ± 0.9 (71)	14.6 ± 1.1 (65)	16.5 ± 1.1 (66)	15.0 ± 1.2 (61)
Lynwood	17.0 ± 1.4 (53)	14.5 ± 1.3 (61)	17.6 ± 2.4 (43)	12.8 ± 0.8 (70)	15.9 ± 1.5 (65)	16.2 ± 1.2 (67)	14.5 ± 1.1 (68)
LA-N.Main	26.2 ± 1.8 (66)	20.4 ± 1.6 (57)	21.7 ± 1.9 (43)	26.8 ± 1.8 (70)	22.9 ± 1.6 (76)	28.3 ± 2.0 (73)	24.8 ± 1.6 (81)
Reseda	19.7 ± 1.0 (67)	19.6 ± 1.0 (55)	22.0 ± 1.3 (53)	22.9 ± 1.2 (63)	22.5 ± 1.1 (69)	24.2 ± 1.6 (72)	19.7 ± 1.0 (75)
Burbank	22.0 ± 1.2 (70)	21.3 ± 1.3 (49)	24.0 ± 1.4 (58)	26.3 ± 1.5 (66)	25.8 ± 1.4 (74)	24.4 ± 1.3 (76)	24.0 ± 1.2 (82)
Pico Rivera	24.3 ± 1.3 (67)	22.8 ± 1.6 (73)	25.6 ± 2.0 (53)	24.3 ± 2.2 (71)	24.9 ± 1.7 (79)	25.4 ± 1.7 (73)	25.0 ± 1.8 (81)
La Habra	17.2 ± 1.2 (49)	18.3 ± 1.6 (53)	19.8 ± 1.7 (49)	17.5 ± 1.3 (67)	16.2 ± 1.2 (71)	15.6 ± 1.0 (71)	17.2 ± 1.2 (68)
Azusa	23.7 ± 1.1 (62)	23.7 ± 1.3 (65)	30.1 ± 1.8 (47)	27.4 ± 1.5 (65)	27.1 ± 1.6 (67)	28.2 ± 1.5 (75)	26.7 ± 1.3 (72)
Pomona	20.1 ± 1.0 (76)	20.3 ± 1.0 (80)	24.9 ± 1.1 (60)	22.0 ± 1.2 (65)	22.8 ± 1.1 (75)	22.2 ± 1.1 (83)	21.5 ± 1.0 (84)
Upland	16.0 ± 0.7 (59)	19.3 ± 1.1 (45)	20.9 ± 1.6 (31)	20.7 ± 1.1 (66)	19.8 ± 0.9 (74)	19.6 ± 1.0 (68)	19.1 ± 0.8 (78)
Rubidoux	19.6 ± 0.8 (71)	20.1 ± 0.9 (74)	21.9 ± 1.3 (48)	22.2 ± 1.0 (67)	22.6 ± 1.0 (71)	22.5 ± 1.0 (71)	21.5 ± 0.8 (75)
<u>June to September 1990-94</u>							
N. Long Beach	13.1 ± 1.7 (38)	9.1 ± 0.8 (53)	11.8 ± 1.1 (46)	10.4 ± 1.1 (53)	11.1 ± 1.1 (52)	10.8 ± 1.3 (53)	10.1 ± 0.8 (54)
Anaheim	15.3 ± 1.4 (42)	11.6 ± 0.9 (59)	13.1 ± 1.0 (61)	13.9 ± 1.3 (64)	12.3 ± 0.9 (64)	11.5 ± 0.8 (69)	14.2 ± 1.0 (54)
Lynwood	16.1 ± 1.5 (47)	10.7 ± 0.9 (67)	11.2 ± 1.1 (65)	9.9 ± 0.6 (67)	11.1 ± 0.9 (67)	12.8 ± 1.0 (71)	13.1 ± 1.0 (62)
LA-N.Main	22.4 ± 1.5 (56)	18.3 ± 1.4 (73)	18.8 ± 1.3 (75)	18.0 ± 1.5 (78)	17.8 ± 1.3 (73)	19.4 ± 1.5 (74)	23.0 ± 1.4 (74)
Reseda	16.2 ± 0.7 (63)	15.7 ± 1.0 (61)	16.3 ± 0.8 (65)	15.6 ± 0.8 (68)	17.3 ± 0.9 (66)	17.5 ± 1.0 (69)	16.3 ± 0.8 (69)
Burbank	20.3 ± 1.0 (68)	17.6 ± 1.1 (70)	17.8 ± 1.1 (68)	18.7 ± 1.1 (67)	20.3 ± 1.1 (73)	19.7 ± 1.2 (77)	20.5 ± 1.2 (80)
Pico Rivera	22.3 ± 1.4 (64)	19.3 ± 1.6 (70)	20.4 ± 1.6 (72)	19.2 ± 1.3 (75)	20.2 ± 1.5 (74)	21.5 ± 1.6 (75)	22.7 ± 1.5 (68)
La Habra	16.3 ± 1.1 (51)	13.5 ± 1.0 (70)	14.3 ± 1.2 (75)	14.3 ± 0.9 (75)	12.2 ± 0.8 (69)	12.7 ± 0.9 (73)	15.9 ± 0.9 (58)
Azusa	22.4 ± 1.0 (58)	21.2 ± 1.3 (68)	22.1 ± 1.2 (76)	21.6 ± 1.1 (76)	22.7 ± 1.2 (73)	24.4 ± 1.4 (71)	23.1 ± 1.1 (64)
Pomona	19.8 ± 0.8 (72)	19.2 ± 1.0 (73)	18.3 ± 1.0 (68)	18.1 ± 0.9 (74)	19.1 ± 0.9 (79)	18.7 ± 1.1 (76)	21.2 ± 0.9 (79)
Upland	16.6 ± 0.7 (60)	16.0 ± 0.8 (66)	16.4 ± 0.8 (75)	16.4 ± 0.8 (78)	18.2 ± 0.8 (73)	17.1 ± 0.8 (78)	17.9 ± 0.7 (77)
Rubidoux	18.0 ± 0.6 (71)	18.4 ± 0.8 (68)	17.7 ± 0.7 (68)	19.4 ± 0.8 (67)	20.0 ± 0.9 (57)	19.9 ± 0.8 (63)	19.2 ± 0.8 (72)
<u>June-September 1995-98</u>							
N. Long Beach	8.2 ± 0.8 (26)	8.2 ± 1.0 (43)	8.7 ± 1.2 (38)	9.1 ± 1.1 (39)	8.4 ± 1.0 (34)	9.1 ± 1.1 (34)	11.8 ± 1.3 (26)
Anaheim	11.7 ± 1.3 (22)	8.1 ± 0.6 (45)	9.0 ± 0.7 (49)	8.9 ± 0.6 (54)	9.3 ± 0.7 (49)	8.0 ± 0.6 (42)	11.9 ± 0.9 (34)
Lynwood	8.6 ± 1.1 (45)	7.4 ± 0.7 (56)	7.2 ± 0.9 (50)	7.4 ± 0.8 (45)	7.6 ± 0.7 (45)	8.3 ± 1.2 (46)	8.5 ± 1.1 (53)
LA-N.Main	15.3 ± 1.3 (41)	11.4 ± 0.9 (56)	11.8 ± 1.4 (53)	13.1 ± 1.7 (57)	11.7 ± 1.1 (51)	11.4 ± 1.2 (53)	14.4 ± 1.2 (48)
Reseda	12.9 ± 0.7 (51)	11.2 ± 0.7 (58)	11.1 ± 0.8 (58)	11.5 ± 0.7 (54)	11.4 ± 0.9 (51)	11.5 ± 0.8 (53)	12.4 ± 0.9 (49)
Burbank	14.6 ± 0.8 (44)	11.9 ± 0.9 (46)	13.1 ± 1.0 (42)	13.3 ± 0.9 (51)	13.8 ± 1.3 (43)	13.4 ± 1.2 (51)	13.9 ± 1.0 (48)
Pico Rivera	17.8 ± 1.2 (42)	13.0 ± 1.1 (59)	13.2 ± 1.2 (49)	13.3 ± 1.1 (54)	14.2 ± 1.6 (51)	11.8 ± 0.9 (51)	18.4 ± 1.4 (47)
La Habra	12.9 ± 0.9 (34)	9.1 ± 0.6 (56)	10.4 ± 0.8 (52)	9.2 ± 0.6 (57)	9.9 ± 0.8 (53)	9.7 ± 0.7 (53)	12.4 ± 0.8 (45)
Azusa	18.6 ± 1.0 (45)	14.3 ± 0.9 (54)	15.9 ± 1.2 (42)	17.2 ± 1.2 (50)	16.5 ± 1.3 (56)	15.8 ± 1.4 (50)	19.3 ± 1.2 (52)
Pomona	16.2 ± 0.8 (61)	12.6 ± 0.8 (67)	13.5 ± 1.0 (64)	13.9 ± 0.9 (65)	13.6 ± 0.9 (61)	13.1 ± 0.8 (62)	16.5 ± 1.1 (62)
Upland	13.9 ± 0.8 (27)	13.0 ± 0.6 (52)	13.9 ± 0.9 (43)	14.0 ± 0.9 (46)	14.3 ± 0.8 (44)	13.4 ± 0.9 (39)	15.7 ± 0.9 (43)
Rubidoux	15.1 ± 0.6 (42)	14.7 ± 0.6 (49)	15.0 ± 0.9 (53)	15.3 ± 0.9 (53)	15.6 ± 0.9 (52)	14.4 ± 0.7 (49)	16.1 ± 0.7 (52)

* ([O₃]max-[O₃(tNO=O₃)])/(tNO=O₃)

Table 2.7-1
**Average Daily 5-8 a.m. (PST) NMHC*/NOx by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>June to September 1981-84</u>							
N. Long Beach	5.7 ± 0.3 (66)	6.1 ± 0.2 (64)	5.9 ± 0.2 (66)	6.0 ± 0.2 (68)	5.9 ± 0.2 (66)	5.9 ± 0.3 (67)	5.8 ± 0.3 (67)
Anaheim	7.3 ± 0.6 (66)	6.9 ± 0.3 (63)	6.3 ± 0.2 (69)	6.6 ± 0.3 (70)	6.8 ± 0.2 (69)	6.7 ± 0.3 (70)	7.2 ± 0.5 (68)
Lynwood	8.5 ± 0.5 (66)	9.1 ± 0.3 (63)	8.7 ± 0.3 (68)	8.6 ± 0.2 (67)	8.7 ± 0.3 (67)	9.2 ± 1.0 (68)	8.6 ± 0.4 (67)
LA-N.Main	6.2 ± 0.3 (68)	6.8 ± 0.3 (67)	6.2 ± 0.2 (65)	6.4 ± 0.2 (71)	6.5 ± 0.2 (67)	6.3 ± 0.2 (69)	6.1 ± 0.2 (68)
Reseda	10.7 ± 0.5 (68)	10.9 ± 0.6 (68)	9.8 ± 0.4 (66)	9.6 ± 0.3 (67)	9.7 ± 0.3 (69)	9.3 ± 0.3 (69)	9.9 ± 0.4 (68)
Burbank	8.7 ± 0.9 (66)	8.2 ± 0.3 (67)	7.7 ± 0.2 (63)	7.6 ± 0.2 (68)	7.6 ± 0.2 (65)	7.3 ± 0.2 (66)	8.2 ± 0.5 (67)
Pico Rivera	7.2 ± 0.5 (69)	5.7 ± 0.3 (64)	5.2 ± 0.2 (67)	5.5 ± 0.2 (70)	5.5 ± 0.2 (64)	5.2 ± 0.2 (67)	6.1 ± 0.3 (69)
La Habra	12.0 ± 0.7 (68)	9.5 ± 0.4 (66)	9.2 ± 0.4 (70)	9.0 ± 0.3 (70)	8.8 ± 0.3 (70)	9.4 ± 0.4 (70)	9.9 ± 0.4 (68)
Azusa	6.9 ± 0.4 (67)	6.8 ± 0.3 (67)	6.3 ± 0.3 (64)	6.6 ± 0.3 (70)	6.3 ± 0.2 (67)	7.5 ± 1.1 (66)	7.1 ± 0.3 (68)
Pomona	5.8 ± 0.2 (66)	6.0 ± 0.1 (64)	6.1 ± 0.2 (67)	5.8 ± 0.1 (70)	6.0 ± 0.1 (69)	5.8 ± 0.1 (70)	6.1 ± 0.2 (67)
Upland	11.5 ± 0.5 (62)	10.1 ± 0.4 (64)	10.3 ± 0.3 (52)	9.7 ± 0.3 (66)	9.7 ± 0.3 (64)	9.9 ± 0.3 (65)	11.0 ± 0.5 (65)
Rubidoux	5.5 ± 0.3 (66)	5.7 ± 0.3 (64)	5.8 ± 0.4 (64)	5.7 ± 0.3 (64)	5.3 ± 0.2 (68)	5.4 ± 0.2 (67)	5.6 ± 0.2 (66)
<u>June to September 1985-89</u>							
N. Long Beach	4.7 ± 0.3 (85)	5.5 ± 0.2 (84)	5.3 ± 0.2 (83)	5.3 ± 0.2 (84)	5.3 ± 0.2 (86)	5.7 ± 0.2 (85)	5.2 ± 0.3 (87)
Anaheim	7.8 ± 0.5 (87)	7.5 ± 0.3 (88)	7.5 ± 0.2 (85)	7.1 ± 0.2 (86)	7.3 ± 0.2 (84)	7.3 ± 0.2 (85)	7.7 ± 0.3 (87)
Lynwood	12.8 ± 0.6 (84)	10.5 ± 0.3 (86)	10.4 ± 0.3 (82)	10.2 ± 0.3 (86)	10.6 ± 0.3 (86)	10.2 ± 0.4 (85)	11.1 ± 0.4 (83)
LA-N.Main	5.9 ± 0.3 (80)	6.2 ± 0.2 (78)	5.7 ± 0.1 (75)	5.6 ± 0.1 (83)	5.9 ± 0.2 (83)	6.0 ± 0.2 (81)	5.7 ± 0.2 (79)
Reseda	7.6 ± 0.4 (84)	7.1 ± 0.3 (84)	7.2 ± 0.5 (84)	6.9 ± 0.3 (82)	6.7 ± 0.2 (82)	6.9 ± 0.3 (82)	6.5 ± 0.3 (83)
Burbank	8.9 ± 0.3 (86)	8.0 ± 0.3 (86)	7.4 ± 0.2 (85)	7.2 ± 0.2 (84)	7.2 ± 0.2 (85)	7.2 ± 0.1 (86)	7.6 ± 0.2 (86)
Pico Rivera	5.4 ± 0.2 (87)	5.3 ± 0.2 (85)	5.0 ± 0.2 (86)	5.2 ± 0.2 (85)	5.2 ± 0.2 (85)	4.8 ± 0.2 (84)	4.9 ± 0.2 (86)
La Habra	15.3 ± 1.1 (84)	11.3 ± 0.4 (85)	10.9 ± 0.4 (87)	10.5 ± 0.3 (85)	10.6 ± 0.3 (86)	9.9 ± 0.3 (85)	11.9 ± 0.5 (84)
Azusa	7.1 ± 0.3 (87)	6.1 ± 0.2 (85)	6.3 ± 0.3 (84)	6.1 ± 0.2 (86)	6.2 ± 0.2 (85)	5.8 ± 0.2 (85)	6.6 ± 0.3 (85)
Pomona	6.7 ± 0.2 (86)	6.2 ± 0.2 (87)	6.1 ± 0.1 (85)	5.9 ± 0.1 (86)	6.1 ± 0.1 (86)	6.1 ± 0.1 (86)	6.1 ± 0.2 (86)
Upland	7.9 ± 0.4 (86)	7.8 ± 0.2 (82)	7.6 ± 0.3 (69)	7.3 ± 0.2 (85)	7.6 ± 0.2 (84)	7.2 ± 0.2 (82)	7.8 ± 0.3 (86)
Rubidoux	8.5 ± 0.6 (83)	7.6 ± 0.6 (86)	8.6 ± 1.4 (83)	6.6 ± 0.2 (82)	6.6 ± 0.3 (83)	7.0 ± 0.4 (84)	7.9 ± 0.4 (85)
<u>June to September 1990-94</u>							
N. Long Beach	10.3 ± 0.7 (76)	8.3 ± 0.3 (77)	7.7 ± 0.3 (80)	7.8 ± 0.4 (79)	7.9 ± 0.3 (77)	8.2 ± 0.4 (79)	9.2 ± 0.5 (78)
Anaheim	11.1 ± 0.6 (85)	9.1 ± 0.4 (85)	8.5 ± 0.3 (81)	8.2 ± 0.3 (82)	8.6 ± 0.3 (84)	8.4 ± 0.2 (85)	9.8 ± 0.4 (85)
Lynwood	10.9 ± 0.5 (82)	8.7 ± 0.2 (82)	8.7 ± 0.3 (82)	8.8 ± 0.3 (86)	9.1 ± 0.3 (85)	8.6 ± 0.2 (84)	10.2 ± 0.4 (85)
LA-N.Main	9.2 ± 1.9 (83)	7.6 ± 0.3 (81)	7.4 ± 0.3 (82)	7.1 ± 0.3 (85)	7.4 ± 0.3 (82)	7.5 ± 0.3 (83)	8.6 ± 0.4 (83)
Reseda	11.0 ± 0.6 (82)	9.1 ± 0.3 (83)	8.7 ± 0.3 (85)	8.7 ± 0.3 (85)	8.5 ± 0.2 (85)	8.7 ± 0.3 (84)	9.7 ± 0.3 (84)
Burbank	7.9 ± 0.3 (85)	7.1 ± 0.2 (84)	6.7 ± 0.2 (81)	6.8 ± 0.2 (86)	6.7 ± 0.2 (85)	6.7 ± 0.2 (85)	7.6 ± 0.3 (85)
Pico Rivera	8.4 ± 0.5 (83)	6.8 ± 0.3 (84)	6.7 ± 0.3 (85)	6.0 ± 0.2 (86)	6.5 ± 0.2 (85)	6.2 ± 0.2 (85)	7.2 ± 0.3 (83)
La Habra	11.0 ± 0.4 (87)	8.9 ± 0.3 (86)	8.1 ± 0.2 (84)	8.0 ± 0.2 (84)	8.3 ± 0.2 (85)	8.0 ± 0.2 (84)	10.0 ± 0.4 (87)
Azusa	9.9 ± 0.5 (86)	8.0 ± 0.4 (87)	7.6 ± 0.3 (86)	7.9 ± 0.4 (88)	7.9 ± 0.4 (87)	7.3 ± 0.3 (85)	9.1 ± 0.4 (87)
Pomona	8.6 ± 0.3 (85)	6.9 ± 0.2 (83)	6.4 ± 0.2 (83)	6.5 ± 0.2 (86)	6.5 ± 0.2 (86)	6.5 ± 0.2 (84)	7.5 ± 0.3 (85)
Upland	7.9 ± 0.4 (23)	8.4 ± 0.3 (21)	8.0 ± 0.3 (22)	7.7 ± 0.3 (22)	7.5 ± 0.6 (21)	7.6 ± 0.4 (22)	9.2 ± 0.5 (23)
Rubidoux	7.8 ± 0.3 (83)	6.8 ± 0.2 (83)	6.5 ± 0.2 (83)	6.4 ± 0.3 (80)	6.9 ± 0.3 (79)	6.5 ± 0.2 (81)	6.7 ± 0.2 (83)
<u>June-September 1995-98</u>							
N. Long Beach	8.2 ± 0.5 (59)	6.3 ± 0.3 (60)	5.9 ± 0.3 (59)	6.0 ± 0.3 (59)	6.4 ± 0.3 (58)	6.2 ± 0.3 (59)	7.4 ± 0.4 (59)
Anaheim	13.6 ± 1.4 (66)	9.0 ± 0.5 (64)	9.0 ± 0.6 (66)	8.1 ± 0.3 (66)	8.6 ± 0.3 (67)	8.5 ± 0.3 (68)	10.1 ± 0.4 (67)
Lynwood	9.9 ± 0.7 (69)	7.8 ± 0.2 (70)	7.5 ± 0.2 (66)	7.7 ± 0.2 (68)	7.6 ± 0.2 (65)	7.6 ± 0.2 (65)	8.4 ± 0.3 (69)
LA-N.Main	7.6 ± 0.4 (60)	5.8 ± 0.2 (61)	5.9 ± 0.3 (59)	5.7 ± 0.2 (58)	5.8 ± 0.2 (59)	5.8 ± 0.2 (58)	6.5 ± 0.3 (60)
Reseda	9.2 ± 0.7 (66)	7.0 ± 0.3 (63)	6.9 ± 0.3 (62)	7.2 ± 0.5 (61)	6.8 ± 0.3 (63)	7.3 ± 0.3 (64)	8.4 ± 0.6 (64)
Burbank	9.7 ± 0.4 (57)	7.4 ± 0.3 (57)	7.0 ± 0.3 (55)	6.8 ± 0.2 (56)	6.9 ± 0.2 (58)	7.2 ± 0.3 (58)	8.1 ± 0.3 (59)
Pico Rivera	11.9 ± 1.2 (69)	7.7 ± 0.5 (70)	8.8 ± 1.9 (66)	6.7 ± 0.3 (67)	6.8 ± 0.3 (69)	6.8 ± 0.3 (67)	8.4 ± 0.4 (69)
La Habra	11.0 ± 0.4 (69)	8.6 ± 0.3 (70)	8.2 ± 0.4 (68)	8.2 ± 0.2 (66)	8.3 ± 0.2 (67)	8.3 ± 0.2 (69)	9.3 ± 0.3 (70)
Azusa	8.8 ± 0.7 (65)	7.0 ± 0.5 (66)	6.5 ± 0.4 (67)	6.6 ± 0.4 (66)	6.5 ± 0.4 (66)	6.7 ± 0.4 (66)	7.9 ± 0.6 (68)
Pomona	8.0 ± 0.5 (68)	6.5 ± 0.3 (69)	6.1 ± 0.3 (66)	6.1 ± 0.3 (67)	6.2 ± 0.3 (68)	6.4 ± 0.4 (67)	7.3 ± 0.5 (69)
Upland	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rubidoux	8.6 ± 0.4 (60)	7.3 ± 0.5 (63)	6.1 ± 0.4 (63)	6.1 ± 0.2 (64)	6.6 ± 0.4 (64)	6.6 ± 0.4 (64)	6.9 ± 0.3 (64)

* Estimated from empirical relationship between CO and NMHC

Table 2.7-2
**Average Daily NMHC*/NOx at Maximum O₃ by Day-of-the-Week,
 Standard Error and Observations**

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
June to September 1981-84							
N. Long Beach	7.0 ± 0.4 (66)	6.8 ± 0.3 (65)	6.4 ± 0.3 (64)	6.7 ± 0.3 (68)	5.9 ± 0.4 (66)	6.5 ± 0.3 (68)	7.4 ± 0.4 (67)
Anaheim	9.0 ± 0.7 (66)	8.2 ± 0.5 (68)	7.7 ± 0.4 (70)	7.5 ± 0.4 (67)	8.5 ± 0.4 (67)	8.1 ± 0.5 (69)	9.3 ± 0.7 (68)
Lynwood	9.8 ± 0.5 (66)	9.6 ± 0.4 (63)	9.0 ± 0.6 (62)	9.6 ± 0.7 (64)	8.7 ± 0.4 (65)	9.5 ± 0.3 (65)	10.2 ± 0.4 (67)
LA-N.Main	10.5 ± 0.7 (68)	9.3 ± 0.4 (67)	8.8 ± 0.3 (70)	9.6 ± 0.4 (70)	9.0 ± 0.3 (69)	10.1 ± 0.5 (68)	11.3 ± 0.9 (68)
Reseda	16.8 ± 0.9 (68)	16.5 ± 0.8 (63)	17.3 ± 0.8 (65)	16.3 ± 0.8 (67)	15.3 ± 0.7 (67)	15.7 ± 0.9 (68)	15.9 ± 0.7 (69)
Burbank	12.7 ± 0.7 (66)	11.9 ± 0.4 (65)	11.4 ± 0.4 (64)	11.8 ± 0.4 (66)	11.5 ± 0.4 (67)	11.5 ± 0.4 (66)	12.7 ± 0.6 (67)
Pico Rivera	11.2 ± 0.6 (69)	9.1 ± 0.4 (67)	9.2 ± 0.5 (66)	8.2 ± 0.4 (67)	8.6 ± 0.4 (67)	8.7 ± 0.4 (69)	10.3 ± 0.5 (69)
La Habra	12.7 ± 0.7 (68)	10.4 ± 0.5 (68)	10.5 ± 0.5 (69)	11.0 ± 0.6 (69)	10.5 ± 0.5 (67)	9.7 ± 0.4 (67)	11.9 ± 0.6 (69)
Azusa	9.3 ± 0.5 (67)	8.2 ± 0.3 (66)	8.9 ± 0.5 (69)	8.6 ± 0.4 (69)	7.8 ± 0.4 (68)	8.9 ± 0.3 (68)	9.7 ± 0.4 (67)
Pomona	8.7 ± 0.5 (65)	8.1 ± 0.3 (65)	8.2 ± 0.3 (69)	7.8 ± 0.2 (69)	7.5 ± 0.3 (68)	8.2 ± 0.3 (70)	8.6 ± 0.4 (67)
Upland	15.4 ± 0.9 (64)	13.0 ± 0.5 (66)	12.5 ± 0.6 (59)	13.8 ± 0.7 (64)	12.6 ± 0.6 (61)	13.3 ± 0.6 (65)	14.9 ± 0.6 (65)
Rubidoux	8.7 ± 0.7 (65)	10.3 ± 0.8 (64)	10.1 ± 0.8 (67)	9.8 ± 0.8 (66)	10.6 ± 0.8 (65)	11.1 ± 0.8 (63)	9.9 ± 0.8 (66)
June to September 1985-89							
N. Long Beach	5.7 ± 0.3 (85)	5.7 ± 0.4 (83)	5.8 ± 0.3 (84)	5.5 ± 0.2 (86)	6.0 ± 0.2 (83)	5.8 ± 0.3 (85)	5.6 ± 0.3 (87)
Anaheim	11.0 ± 0.7 (86)	9.0 ± 0.4 (84)	9.1 ± 0.4 (84)	8.3 ± 0.4 (86)	8.5 ± 0.4 (84)	8.9 ± 0.4 (84)	10.6 ± 0.6 (86)
Lynwood	12.4 ± 0.6 (84)	12.1 ± 0.4 (84)	11.7 ± 0.4 (85)	11.3 ± 0.5 (84)	12.2 ± 0.6 (85)	11.5 ± 0.6 (86)	13.0 ± 0.6 (83)
LA-N.Main	9.6 ± 0.4 (79)	8.6 ± 0.3 (74)	8.2 ± 0.3 (79)	7.7 ± 0.3 (82)	8.5 ± 0.2 (83)	8.2 ± 0.3 (83)	9.2 ± 0.3 (79)
Reseda	10.9 ± 1.0 (79)	11.2 ± 1.0 (83)	9.8 ± 0.7 (81)	11.2 ± 1.0 (76)	10.3 ± 0.9 (79)	10.1 ± 0.8 (80)	11.3 ± 1.1 (80)
Burbank	13.7 ± 0.6 (86)	11.7 ± 0.4 (86)	11.2 ± 0.4 (81)	10.8 ± 0.3 (84)	10.9 ± 0.3 (86)	11.1 ± 0.3 (84)	12.5 ± 0.4 (86)
Pico Rivera	9.0 ± 0.6 (87)	7.6 ± 0.4 (86)	8.0 ± 0.3 (85)	7.0 ± 0.4 (84)	7.2 ± 0.3 (83)	7.3 ± 0.3 (82)	8.5 ± 0.6 (87)
La Habra	16.5 ± 0.7 (83)	12.6 ± 0.6 (83)	12.2 ± 0.6 (82)	11.9 ± 0.5 (83)	12.5 ± 0.7 (83)	13.0 ± 0.6 (83)	15.9 ± 0.8 (82)
Azusa	9.7 ± 0.4 (87)	7.8 ± 0.3 (86)	7.3 ± 0.3 (84)	7.7 ± 0.3 (84)	7.3 ± 0.2 (82)	8.0 ± 0.3 (86)	9.3 ± 0.4 (87)
Pomona	9.2 ± 0.3 (87)	7.8 ± 0.2 (86)	8.5 ± 0.3 (83)	8.0 ± 0.2 (87)	7.8 ± 0.3 (85)	8.1 ± 0.2 (86)	9.2 ± 0.3 (87)
Upland	11.1 ± 0.6 (85)	9.9 ± 0.6 (84)	10.4 ± 0.6 (82)	9.9 ± 0.5 (81)	9.6 ± 0.5 (84)	10.0 ± 0.5 (85)	11.2 ± 0.7 (87)
Rubidoux	16.0 ± 1.3 (76)	14.7 ± 1.1 (83)	15.1 ± 1.0 (81)	13.3 ± 0.8 (81)	14.2 ± 0.9 (81)	13.7 ± 0.8 (83)	15.9 ± 1.1 (79)
June to September 1990-94							
N. Long Beach	10.8 ± 0.8 (76)	8.6 ± 0.4 (77)	9.2 ± 0.6 (75)	9.4 ± 0.7 (78)	8.9 ± 0.5 (75)	10.1 ± 1.1 (76)	9.1 ± 0.5 (74)
Anaheim	14.0 ± 0.7 (85)	10.9 ± 0.6 (83)	10.6 ± 0.6 (81)	11.2 ± 0.6 (84)	11.0 ± 0.5 (84)	11.2 ± 0.5 (85)	13.0 ± 0.5 (85)
Lynwood	11.1 ± 0.5 (82)	10.0 ± 0.5 (78)	9.3 ± 0.3 (82)	9.2 ± 0.4 (85)	9.1 ± 0.3 (83)	9.7 ± 0.4 (82)	11.9 ± 0.6 (85)
LA-N.Main	15.5 ± 0.9 (81)	11.9 ± 0.8 (85)	10.8 ± 0.4 (83)	10.4 ± 0.7 (85)	12.0 ± 0.8 (82)	11.3 ± 0.7 (82)	14.4 ± 0.8 (83)
Reseda	18.0 ± 1.2 (82)	14.1 ± 1.0 (83)	13.8 ± 0.8 (83)	14.6 ± 0.7 (84)	14.0 ± 0.8 (84)	13.4 ± 0.7 (82)	15.8 ± 1.0 (82)
Burbank	12.5 ± 0.6 (85)	9.8 ± 0.3 (82)	9.1 ± 0.3 (85)	9.5 ± 0.3 (86)	9.7 ± 0.3 (84)	9.9 ± 0.3 (80)	11.4 ± 0.4 (85)
Pico Rivera	11.7 ± 0.6 (83)	10.1 ± 0.6 (83)	9.9 ± 0.4 (85)	9.6 ± 0.3 (83)	9.1 ± 0.4 (86)	9.6 ± 0.4 (84)	11.5 ± 0.5 (83)
La Habra	13.7 ± 0.7 (87)	10.2 ± 0.5 (86)	9.9 ± 0.4 (85)	9.2 ± 0.4 (87)	10.1 ± 0.3 (84)	10.4 ± 0.6 (85)	12.1 ± 0.4 (87)
Azusa	14.1 ± 0.5 (87)	10.1 ± 0.3 (87)	10.2 ± 0.3 (85)	10.6 ± 0.4 (88)	10.5 ± 0.3 (86)	10.3 ± 0.3 (85)	13.9 ± 0.5 (87)
Pomona	12.2 ± 0.5 (85)	9.0 ± 0.4 (84)	8.9 ± 0.2 (85)	8.9 ± 0.3 (85)	9.1 ± 0.3 (82)	9.6 ± 0.3 (83)	11.5 ± 0.5 (84)
Upland	12.8 ± 1.1 (23)	11.8 ± 0.9 (20)	10.5 ± 0.8 (21)	11.5 ± 0.7 (21)	10.5 ± 0.7 (21)	10.4 ± 0.6 (22)	14.1 ± 1.0 (23)
Rubidoux	11.7 ± 0.8 (82)	10.3 ± 0.7 (82)	11.0 ± 0.7 (79)	10.7 ± 0.7 (82)	11.5 ± 0.7 (80)	10.3 ± 0.6 (82)	12.0 ± 0.8 (83)
June-September 1995-98							
N. Long Beach	9.8 ± 0.8 (59)	11.2 ± 1.8 (60)	7.1 ± 0.4 (56)	7.5 ± 0.4 (59)	9.3 ± 0.9 (57)	9.7 ± 0.9 (59)	9.6 ± 0.7 (59)
Anaheim	18.0 ± 3.4 (66)	13.0 ± 1.2 (65)	16.0 ± 4.4 (65)	14.3 ± 2.2 (67)	13.6 ± 2.0 (67)	12.7 ± 0.7 (68)	13.7 ± 0.5 (67)
Lynwood	10.3 ± 0.3 (69)	8.5 ± 0.2 (70)	8.3 ± 0.3 (66)	8.2 ± 0.3 (66)	8.8 ± 0.3 (63)	8.9 ± 0.4 (66)	10.5 ± 0.3 (69)
LA-N.Main	12.2 ± 0.6 (60)	9.5 ± 0.4 (59)	9.7 ± 0.4 (59)	9.6 ± 0.3 (59)	9.8 ± 0.3 (59)	9.7 ± 0.3 (58)	11.7 ± 0.5 (59)
Reseda	17.5 ± 1.6 (66)	11.8 ± 0.8 (62)	11.5 ± 0.9 (63)	12.3 ± 0.9 (62)	13.0 ± 0.8 (61)	12.1 ± 0.7 (63)	14.8 ± 0.9 (65)
Burbank	15.2 ± 1.5 (57)	11.1 ± 0.4 (55)	10.7 ± 0.3 (54)	10.3 ± 0.4 (57)	10.2 ± 0.4 (56)	10.5 ± 0.4 (59)	12.8 ± 0.4 (59)
Pico Rivera	17.3 ± 0.7 (69)	11.8 ± 0.4 (68)	11.4 ± 0.5 (65)	11.3 ± 0.4 (66)	10.8 ± 0.4 (66)	11.5 ± 0.4 (67)	14.6 ± 0.5 (69)
La Habra	13.0 ± 0.4 (68)	10.1 ± 0.5 (69)	9.8 ± 0.3 (64)	9.9 ± 0.3 (65)	10.1 ± 0.5 (68)	10.1 ± 0.3 (67)	11.6 ± 0.4 (70)
Azusa	12.2 ± 0.7 (66)	8.5 ± 0.4 (66)	8.1 ± 0.4 (65)	8.4 ± 0.4 (68)	8.7 ± 0.5 (67)	8.4 ± 0.4 (66)	10.9 ± 0.5 (68)
Pomona	12.9 ± 0.8 (67)	9.4 ± 0.5 (68)	8.8 ± 0.5 (70)	9.7 ± 0.6 (69)	8.9 ± 0.5 (67)	9.2 ± 0.5 (67)	11.6 ± 0.7 (69)
Upland	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Rubidoux	16.7 ± 1.1 (56)	12.5 ± 0.8 (60)	12.0 ± 0.8 (59)	13.5 ± 1.5 (61)	12.6 ± 0.7 (63)	13.6 ± 0.9 (63)	16.0 ± 1.0 (62)

* Estimated from empirical relationship between CO and NMHC

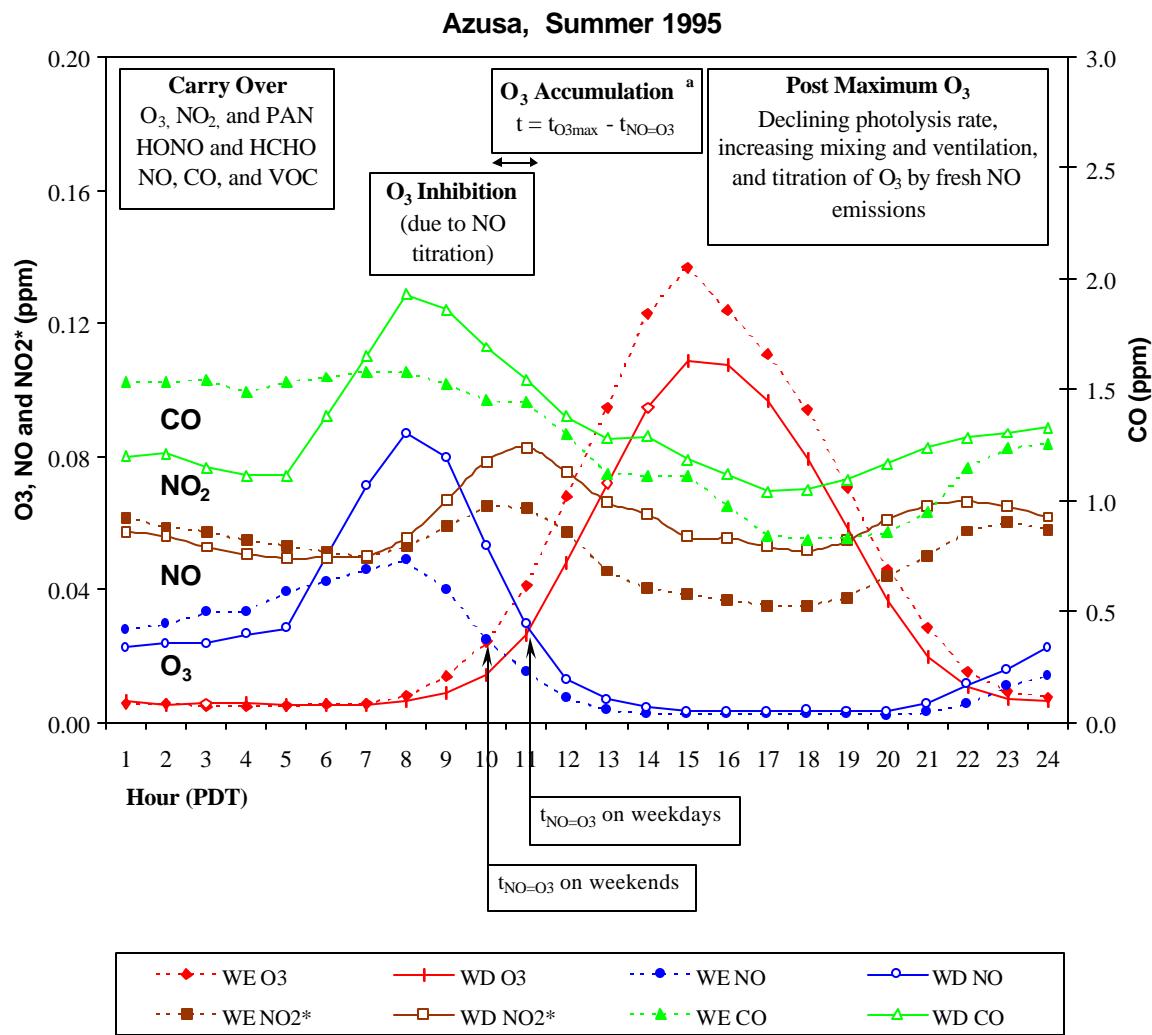


Figure 2.1-1. Average summer 1995 diurnal variations of O_3 , NO, NO_2 , and CO at Azusa during weekday and weekend. The shorter ozone inhibition period and higher rate of ozone formation are the main factors causing higher ozone on weekends.

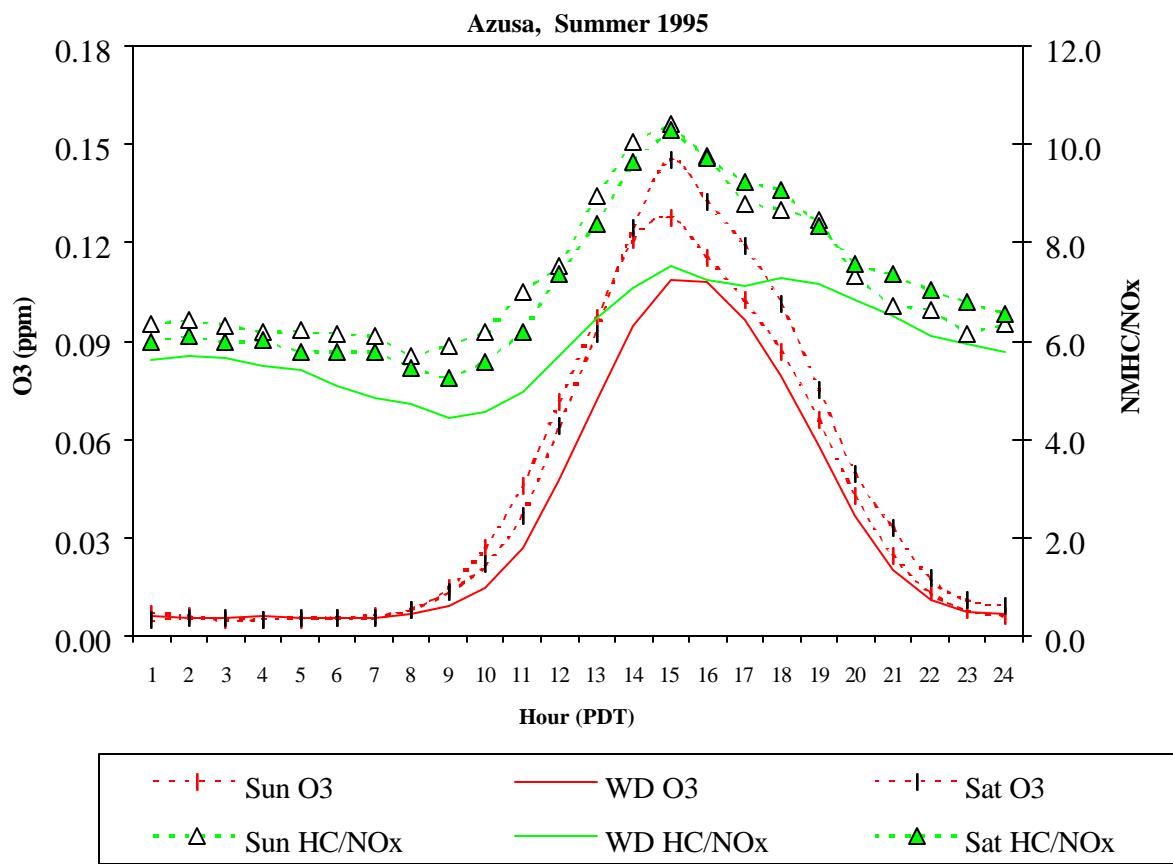


Figure 2.1-2. Average summer 1995 diurnal variations of O₃ and HC/NO_x at Azusa during weekday and weekend. Higher HC/NO_x on weekends result in higher rate of ozone formation.

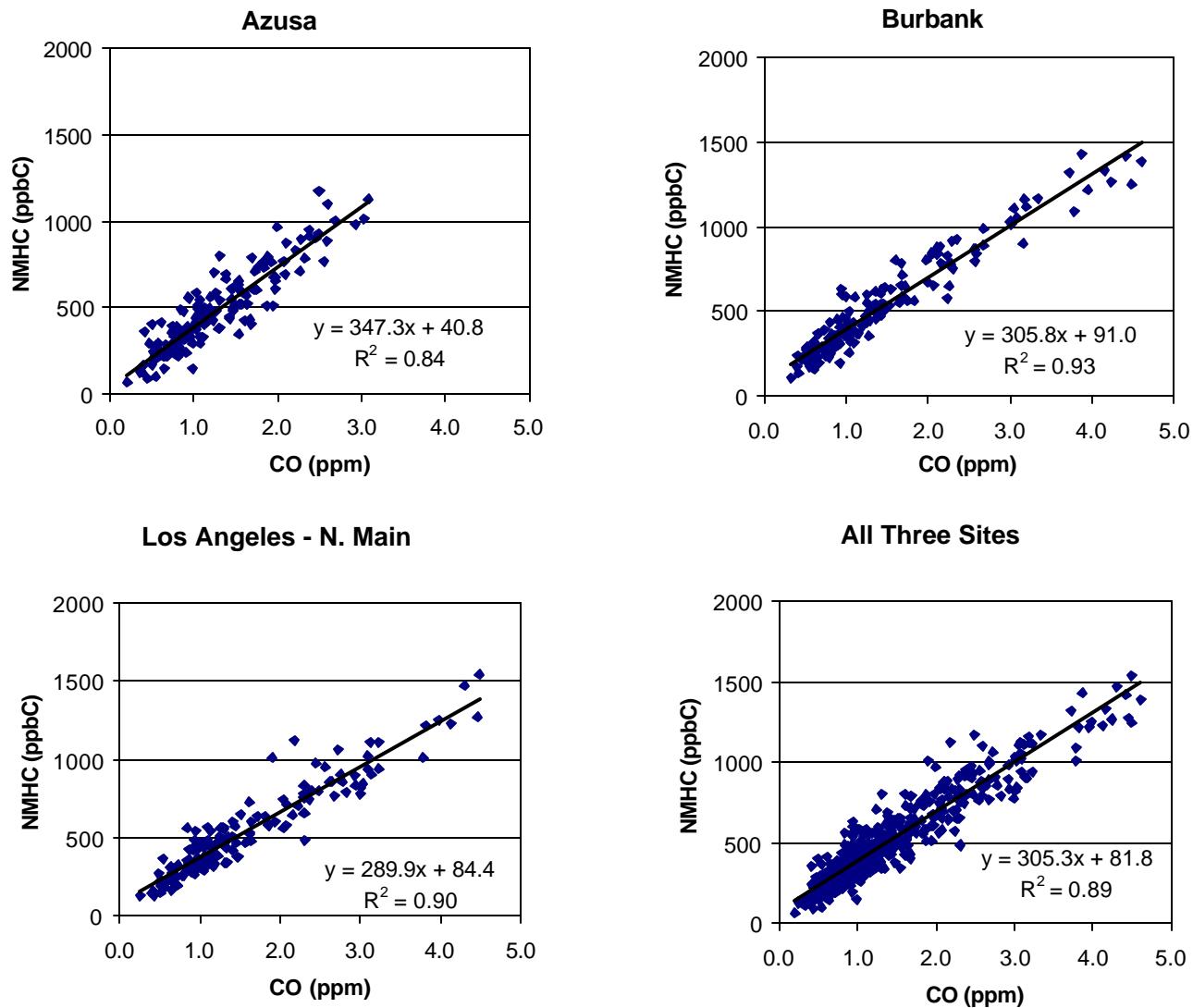


Figure 2.2-1. CO versus NMHC from DRI canister samples during summers 1995 and 1996.

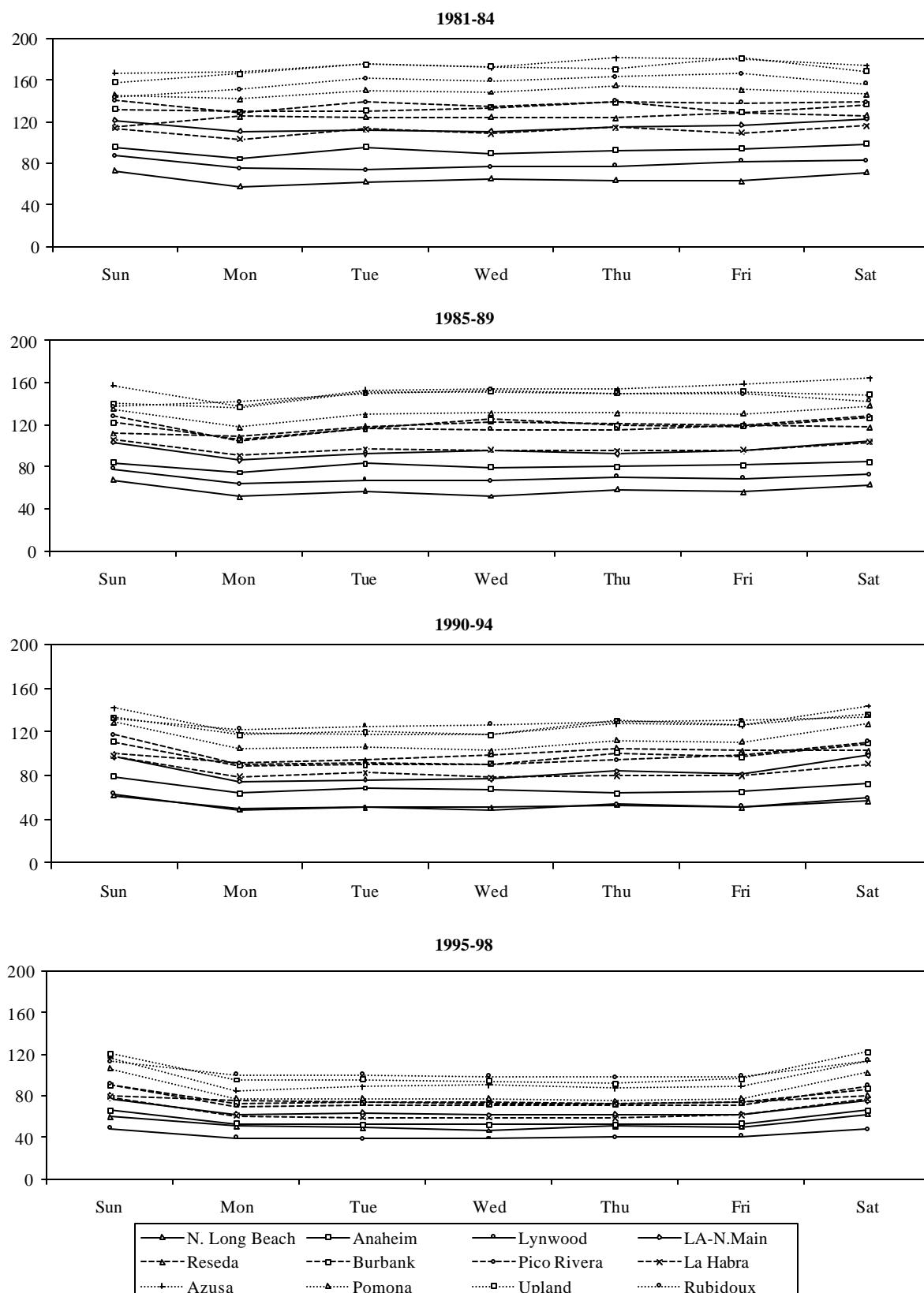


Figure 2.3-1. Average summer daily maximum ozone (ppb) in SoCAB by day of the week.

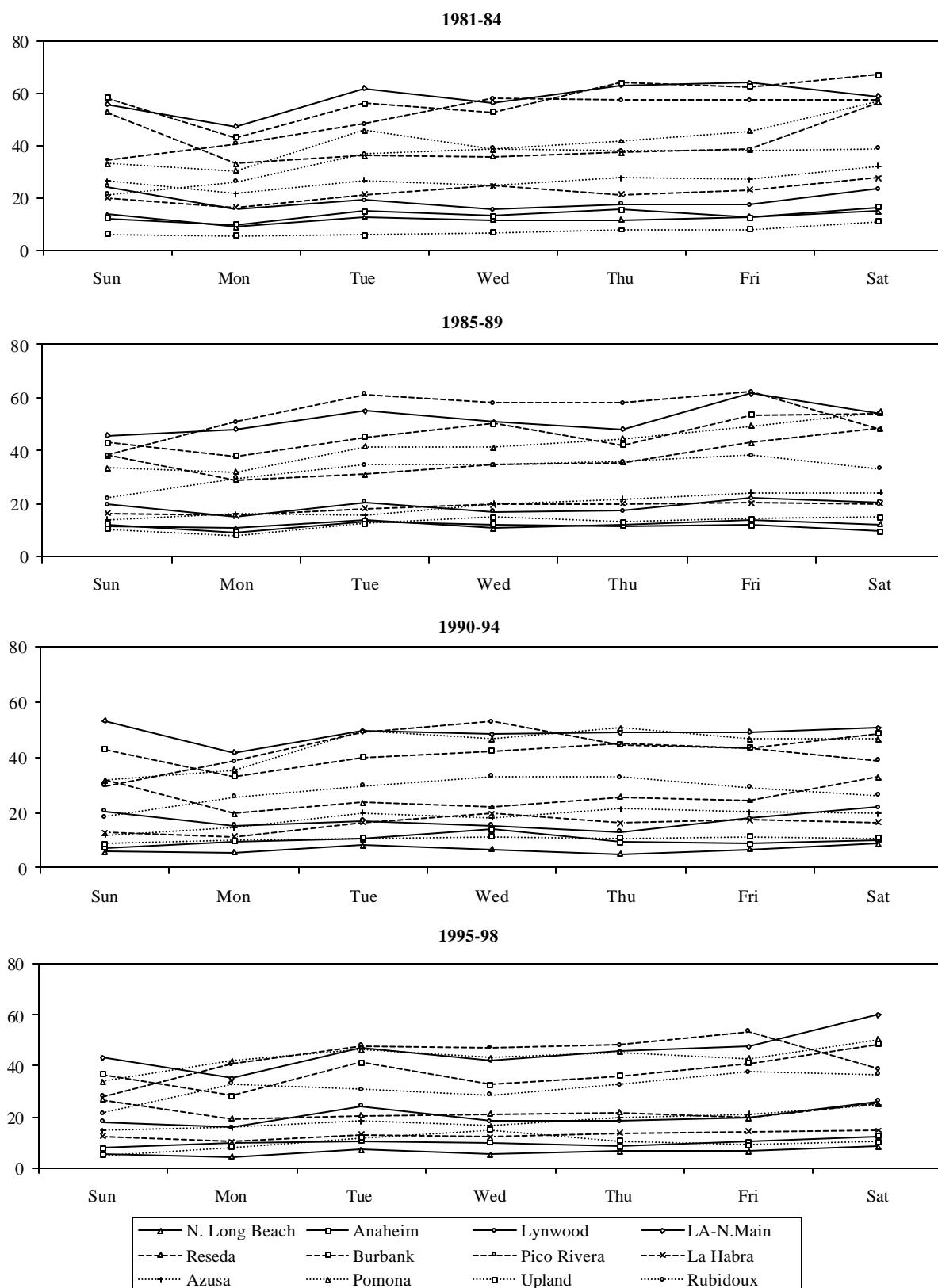


Figure 2.4-1. Average summer 3-4 a.m. (PST) NO (ppb) in the SoCAB by day of the week.

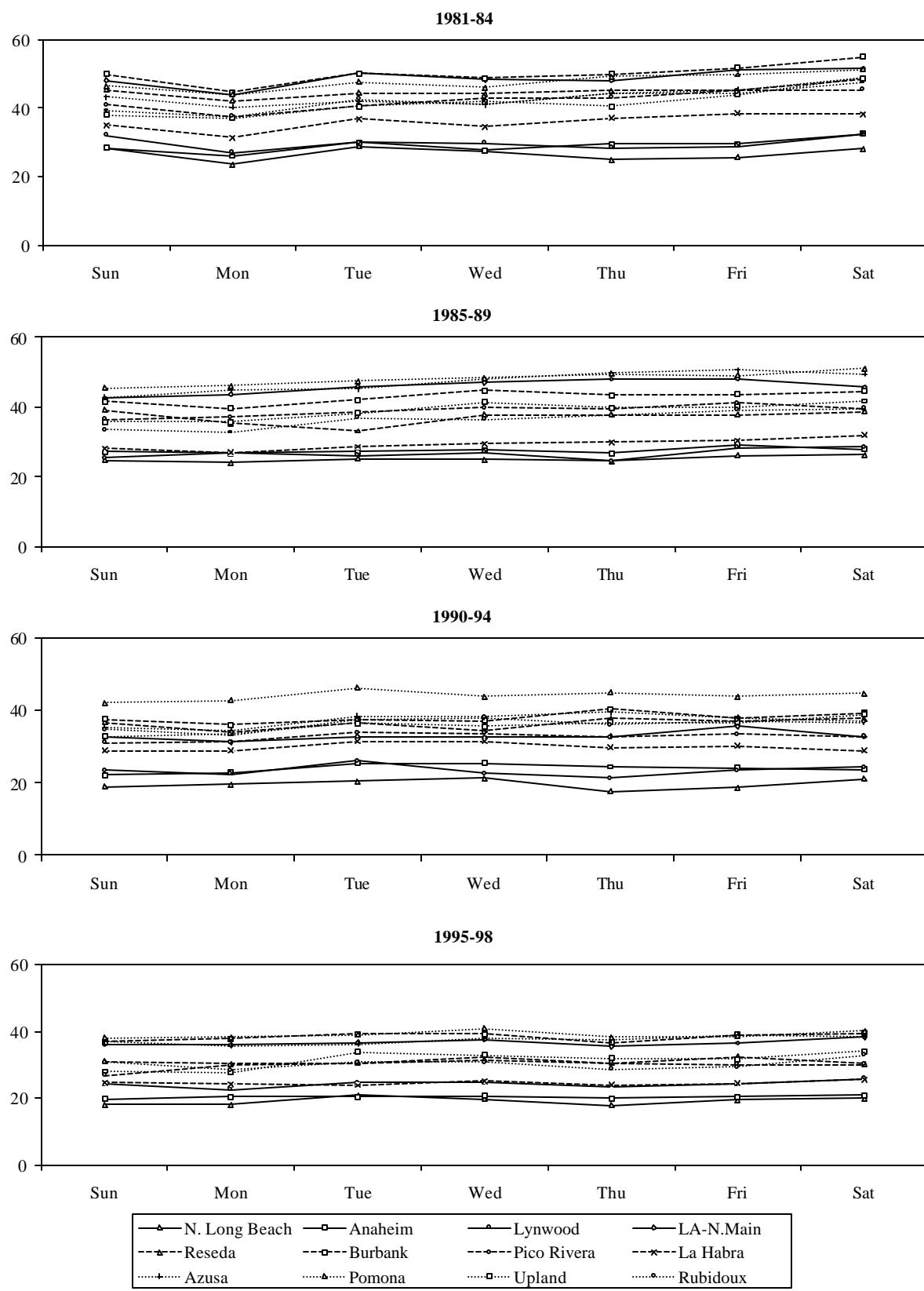


Figure 2.4-2. Average summer 3-4 a.m. (PST) NO₂ (ppb) in the SoCAB by day of the week.

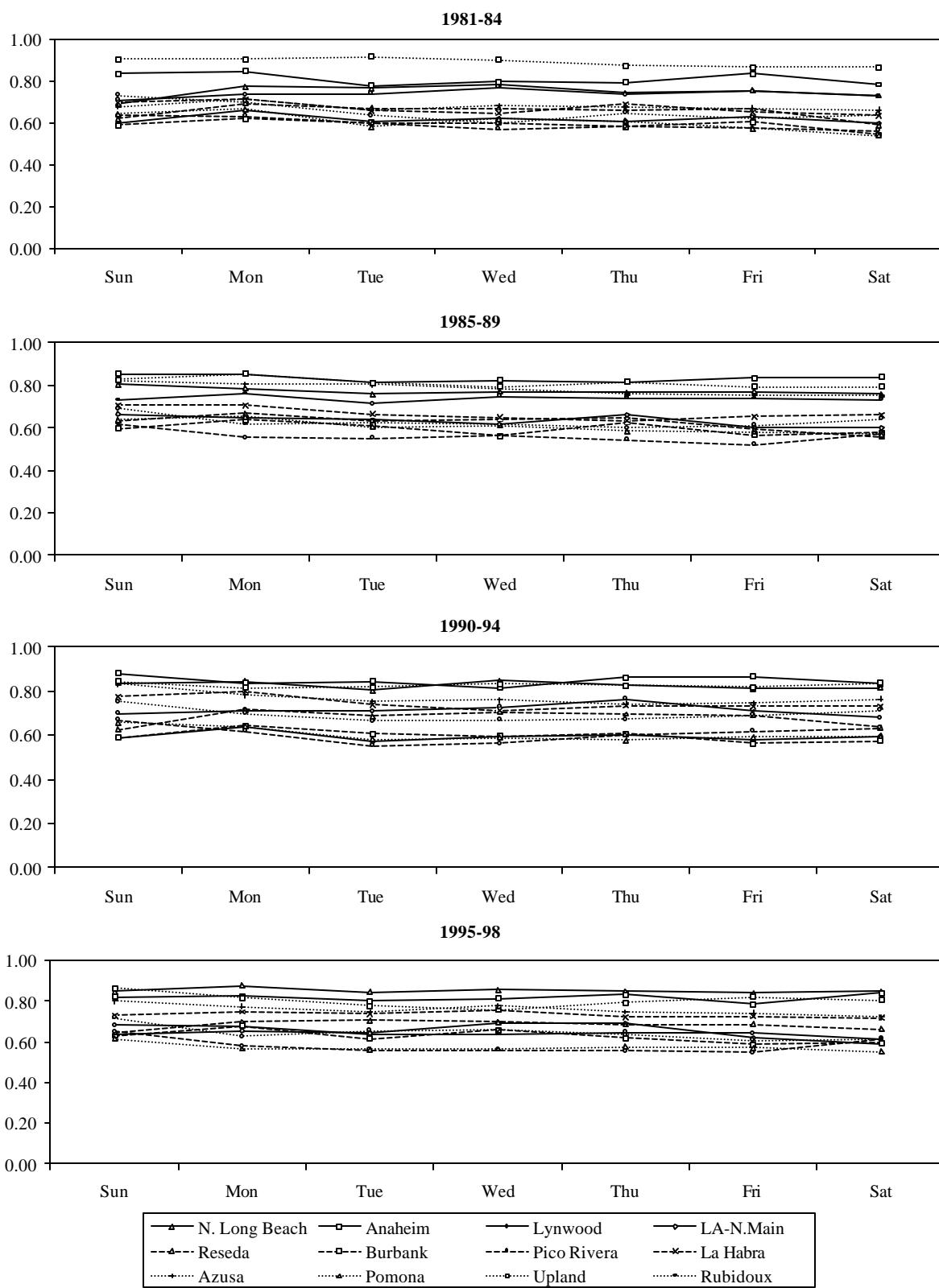


Figure 2.4-3. Average summer 3-4 a.m. (PST) NO_2/NOx (ppb) in the SoCAB by day of the week.

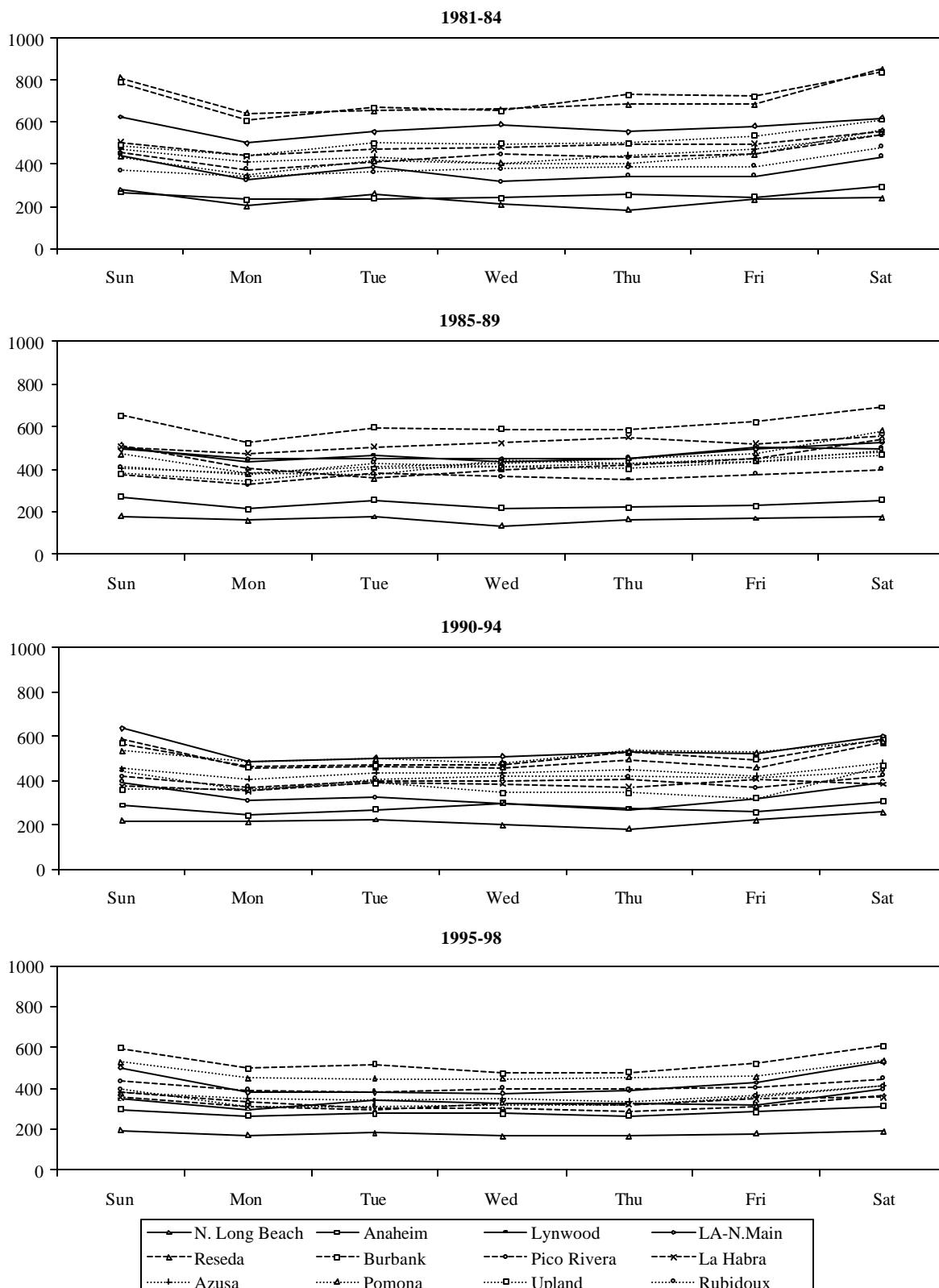


Figure 2.4-4. Average summer 3-4 a.m. (PST) NMHC (ppbC) in the SoCAB by day of the week. NMHC is estimated from carbon monoxide.

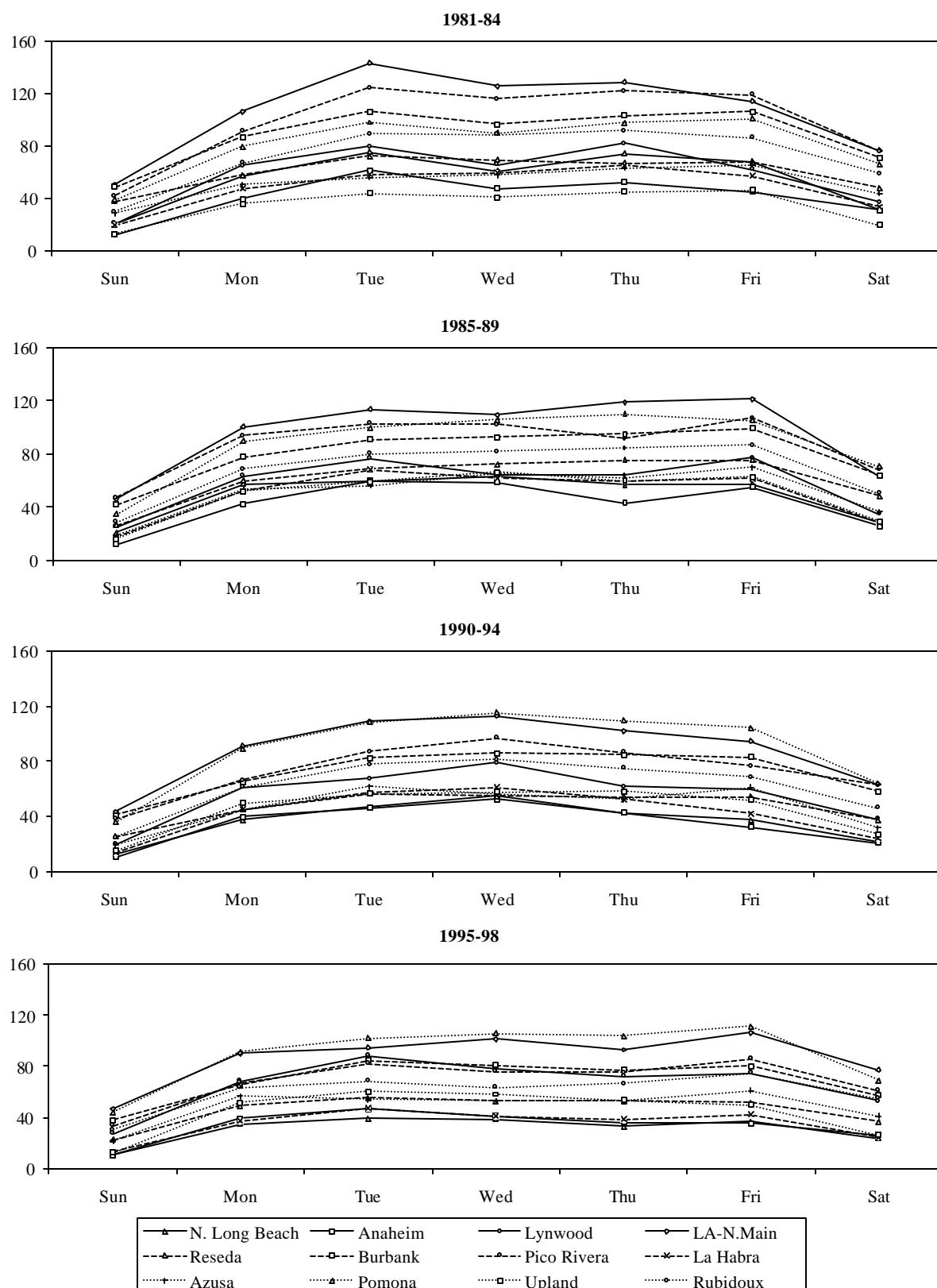


Figure 2.5-1. Average summer 6-7 a.m. (PST) NO (ppb) in the SoCAB by day of the week.

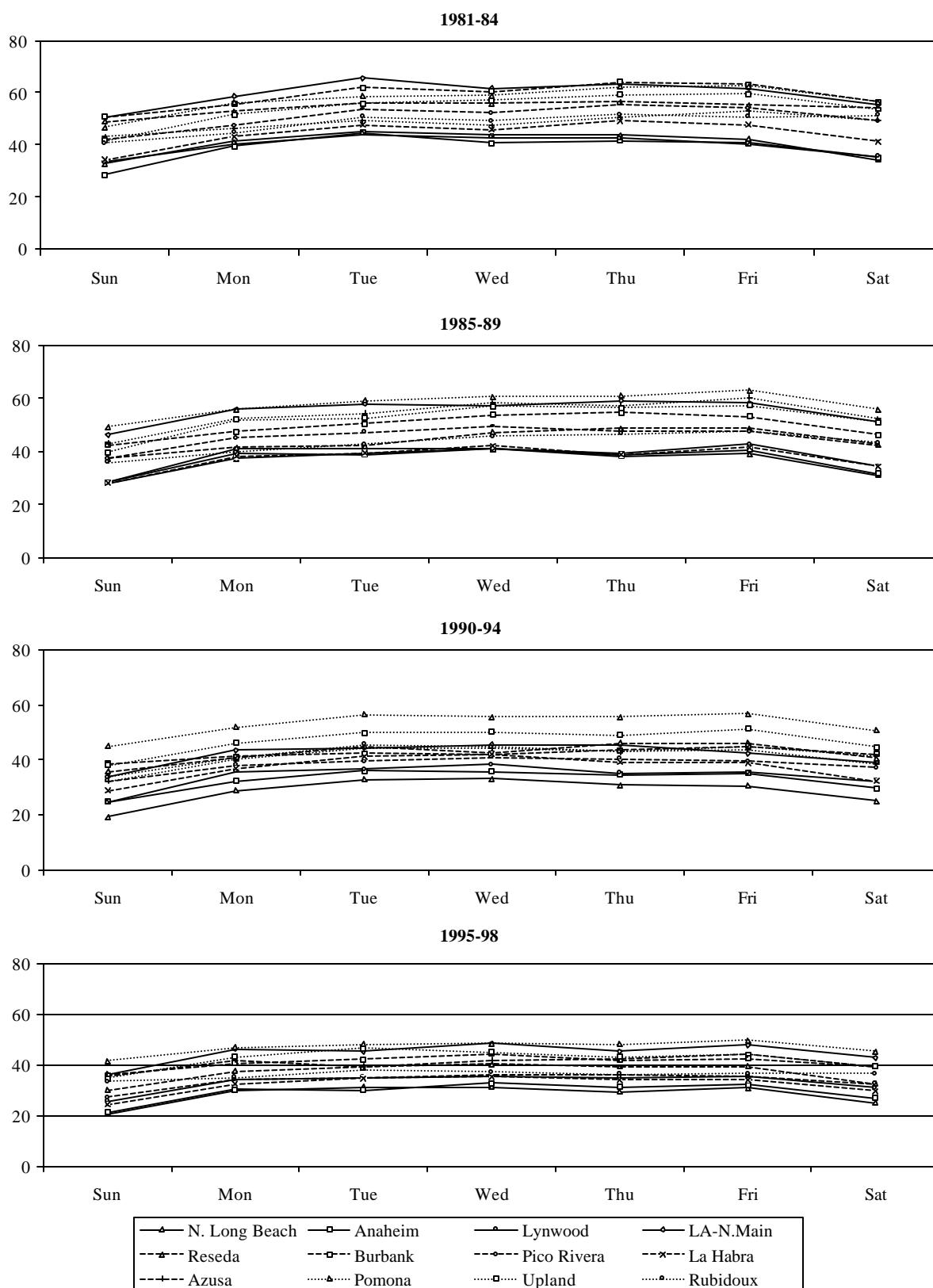


Figure 2.5-2. Average summer 6-7 a.m. (PST) NO_2 (ppb) in the SoCAB by day of the week.

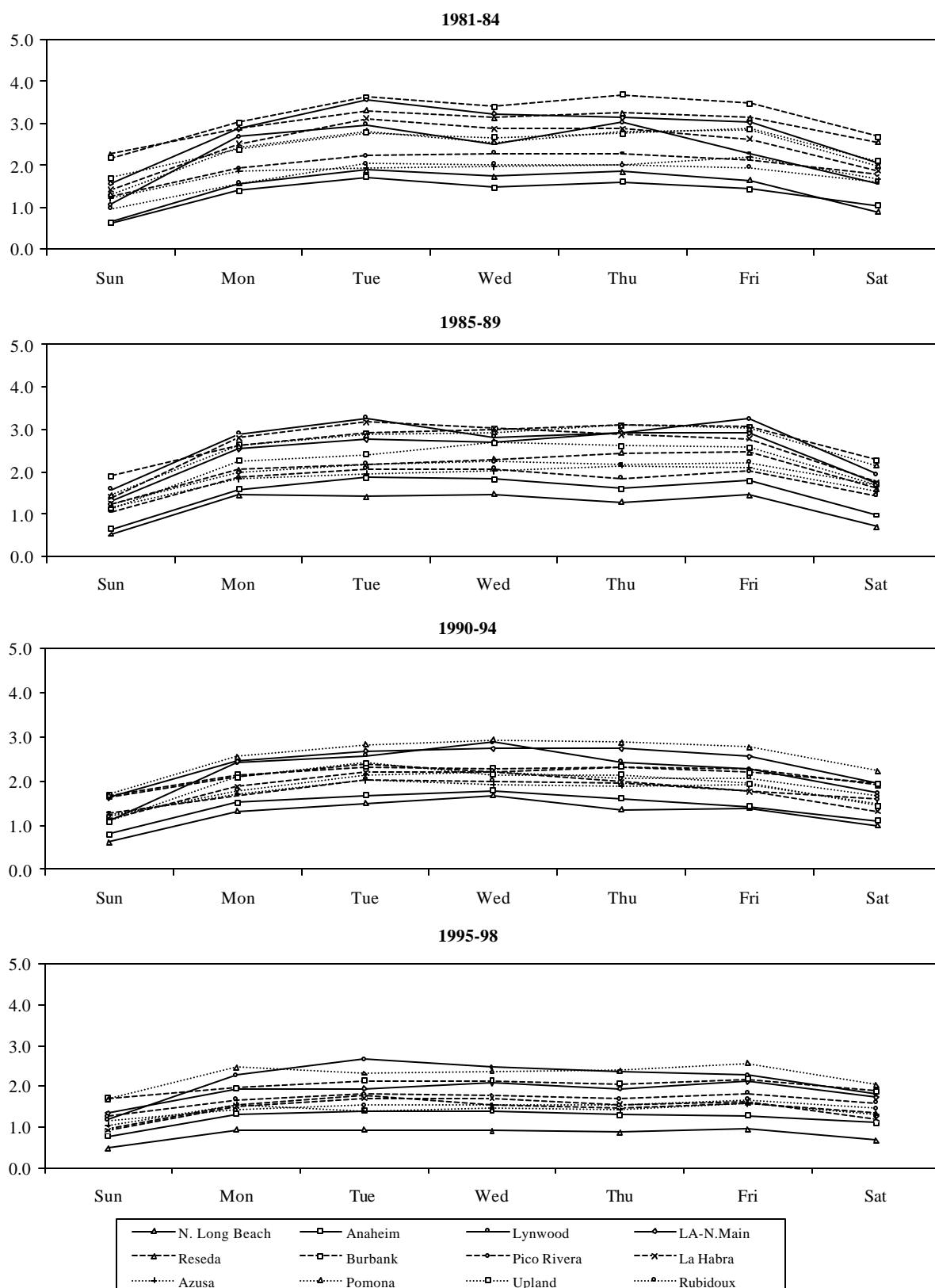


Figure 2.5-3. Average summer 6-7 a.m. (PST) CO (ppm) in the SoCAB by day of the week.

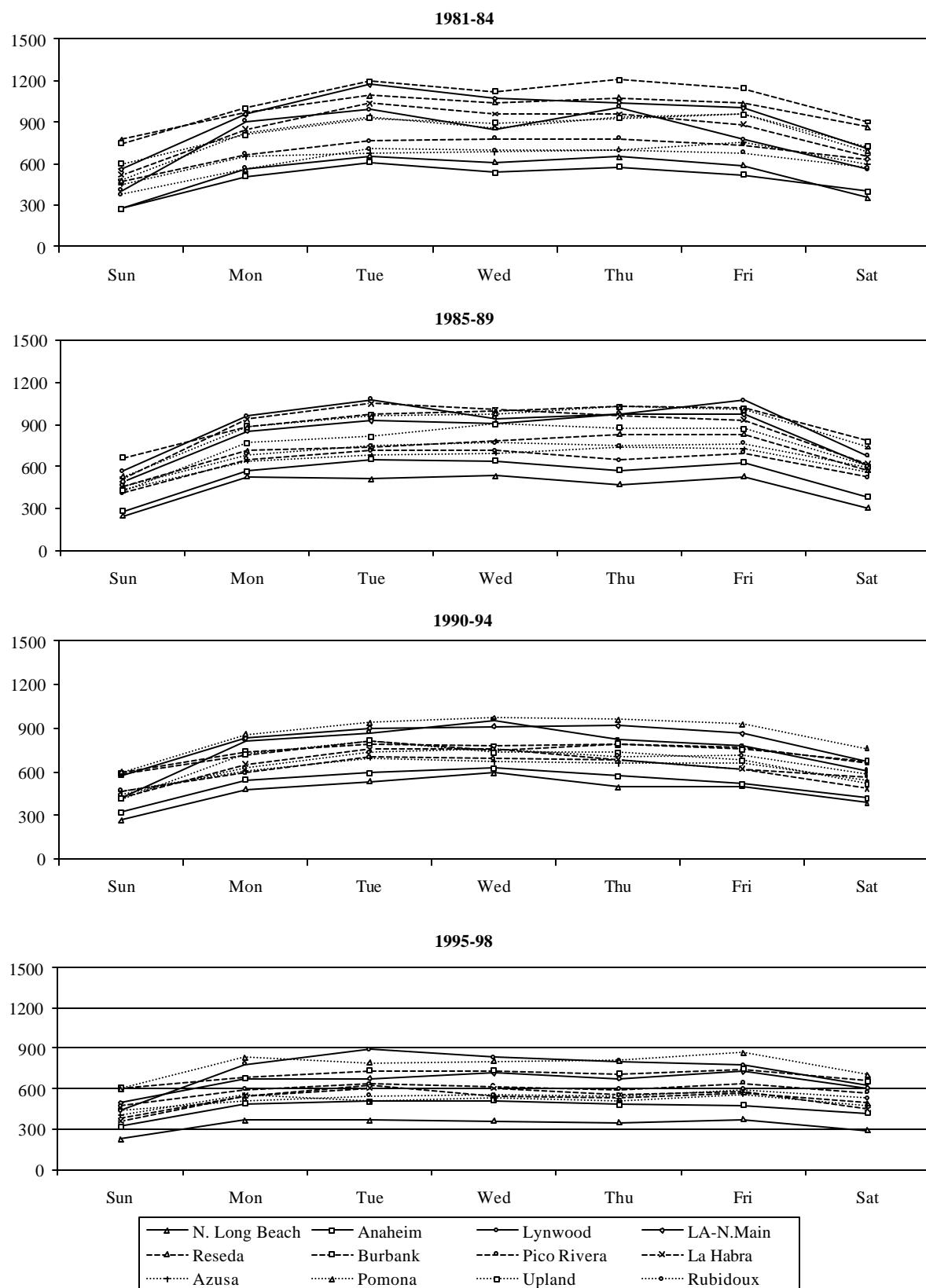


Figure 2.5-4. Average summer 6-7 a.m. (PST) NMHC (ppbC) in the SoCAB by day of the week.

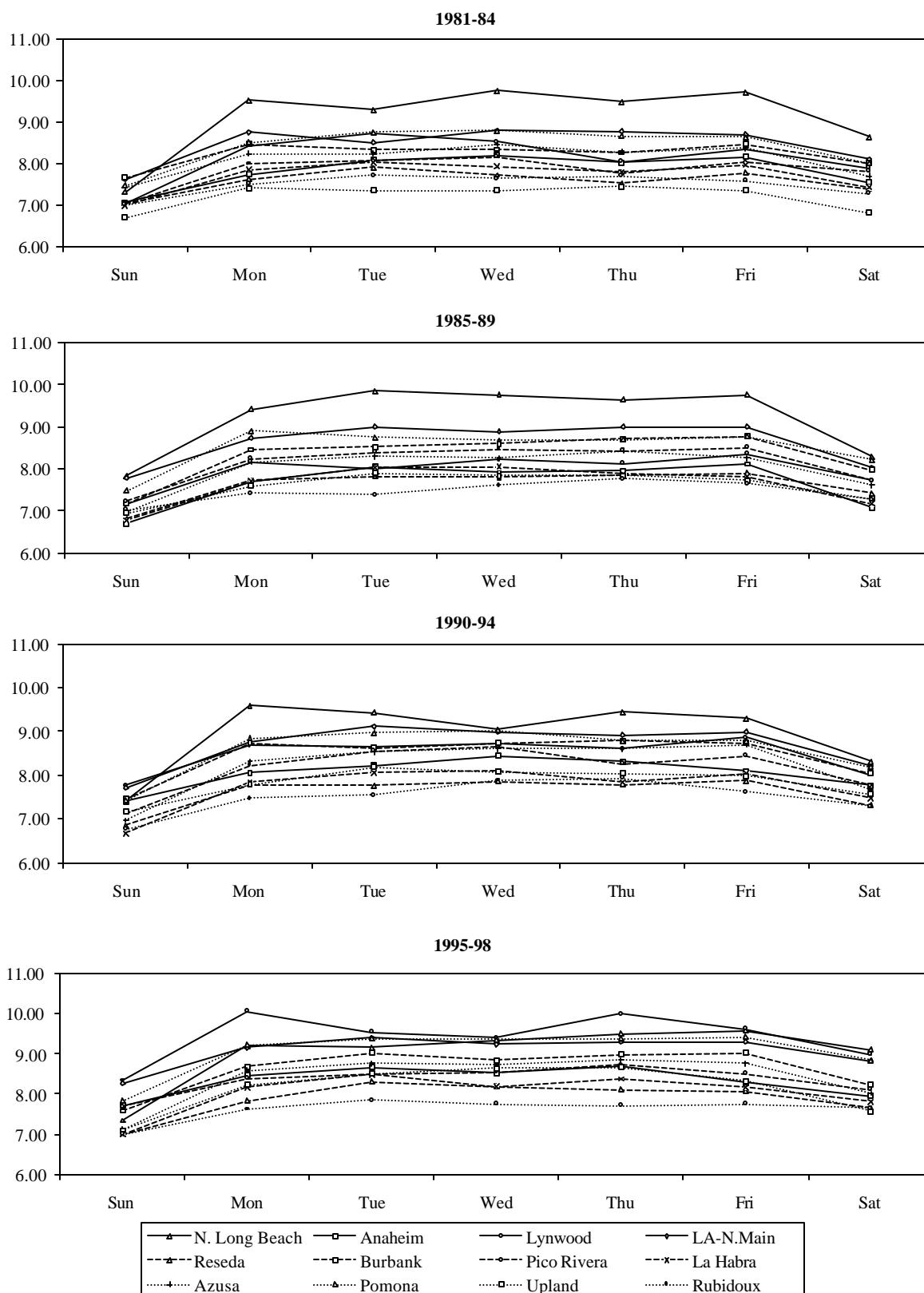


Figure 2.5-5. Average time (PST) on summer mornings when NO equals O₃ by day of the week.

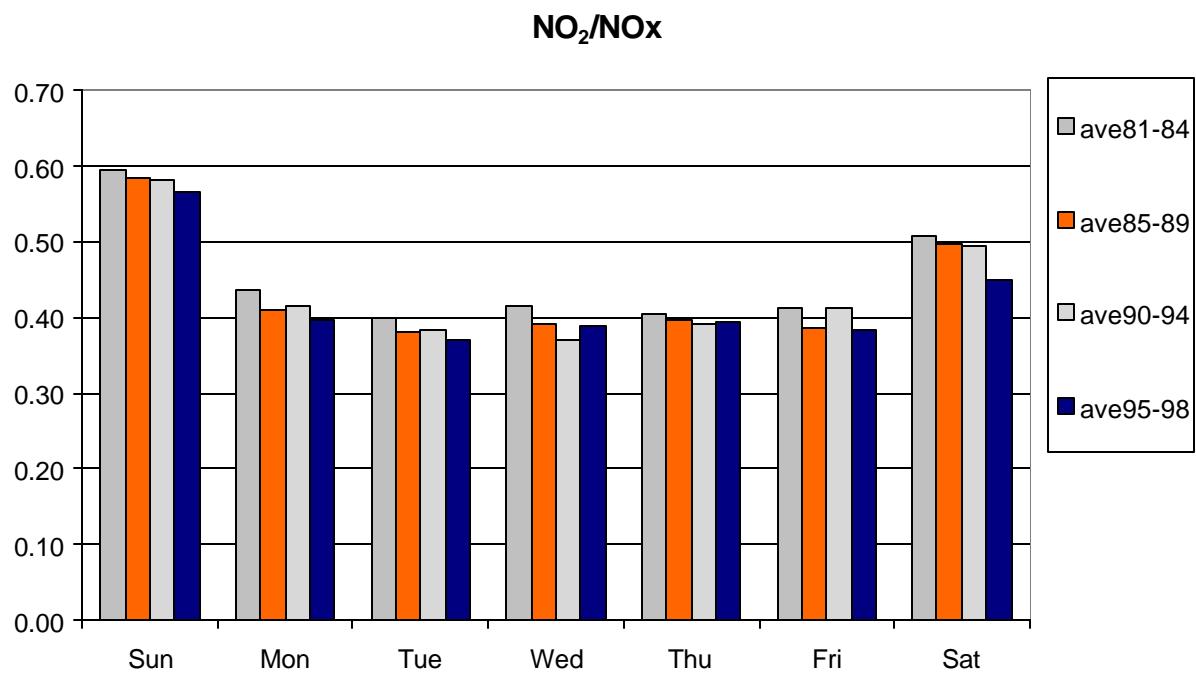


Figure 2.5-6. Twelve-site average NO₂/NOx ratios at 7-8 a.m. (PDT) by day of the week.

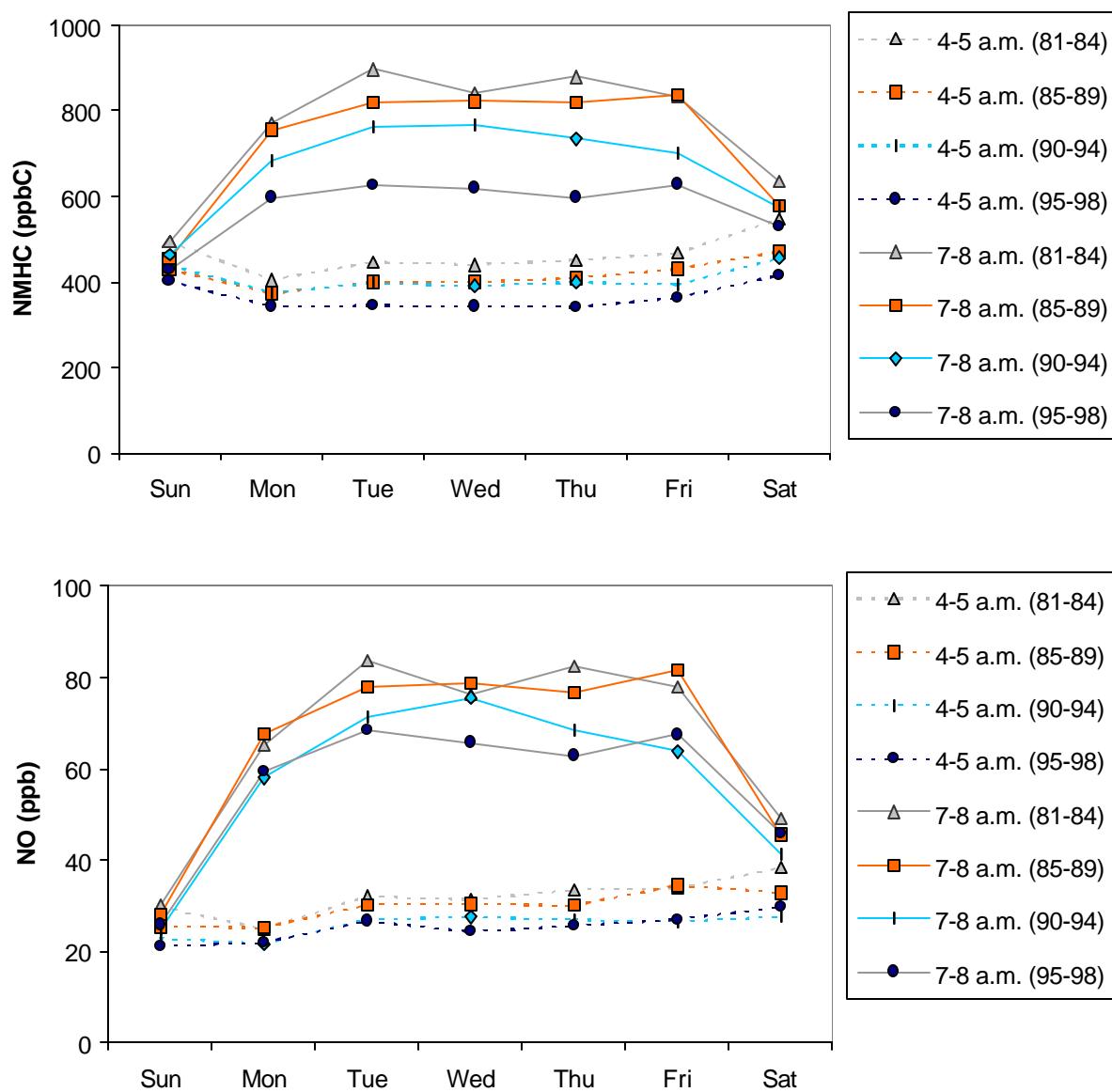


Figure 2.5-7. Twelve-site average NMHC and NO concentrations at 4-5 a.m. (PDT) and 7-8 a.m. (PDT) by day of the week during summer.

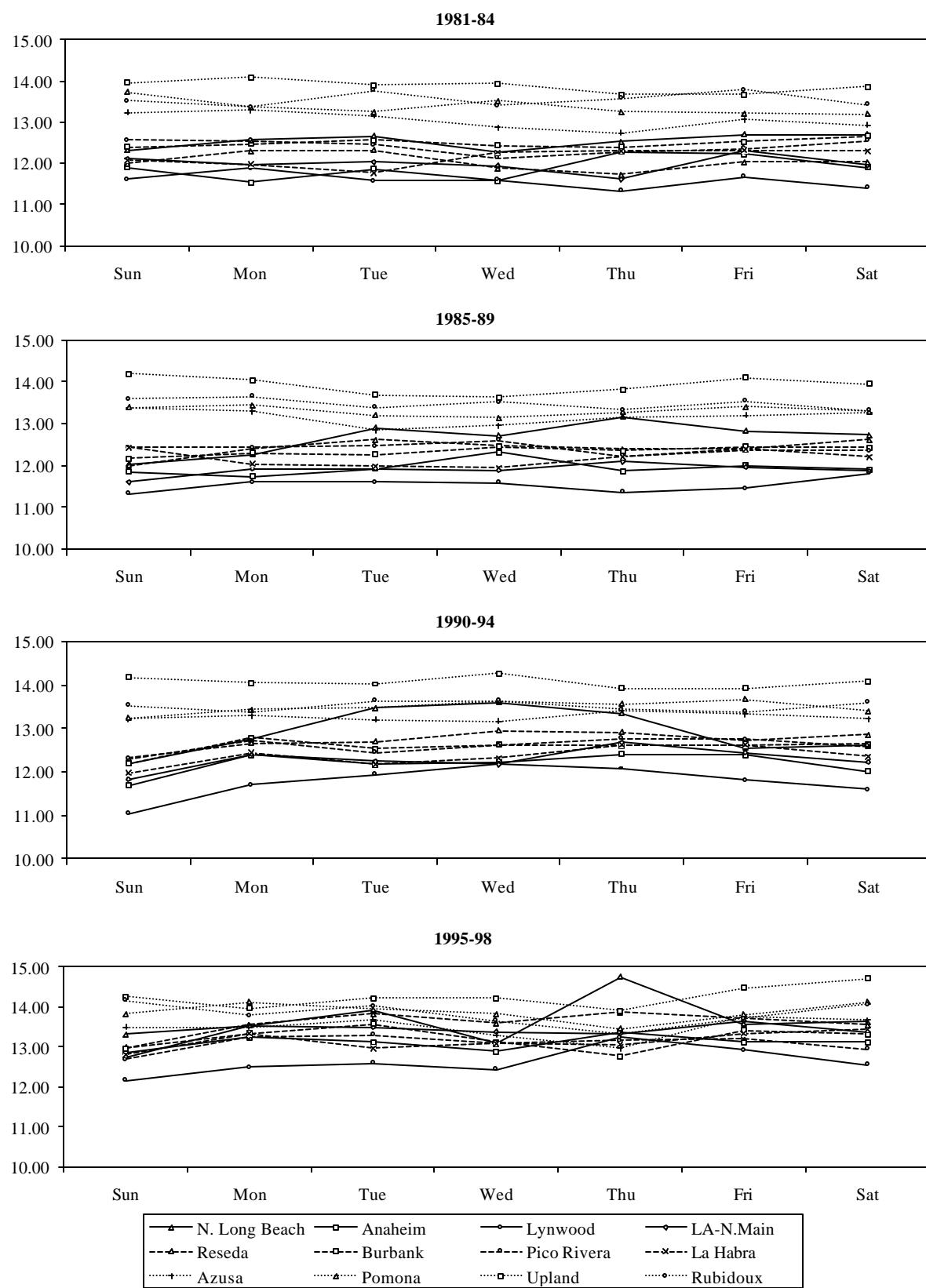


Figure 2.6-1. Average time (PST) at maximum O₃ by day of the week.

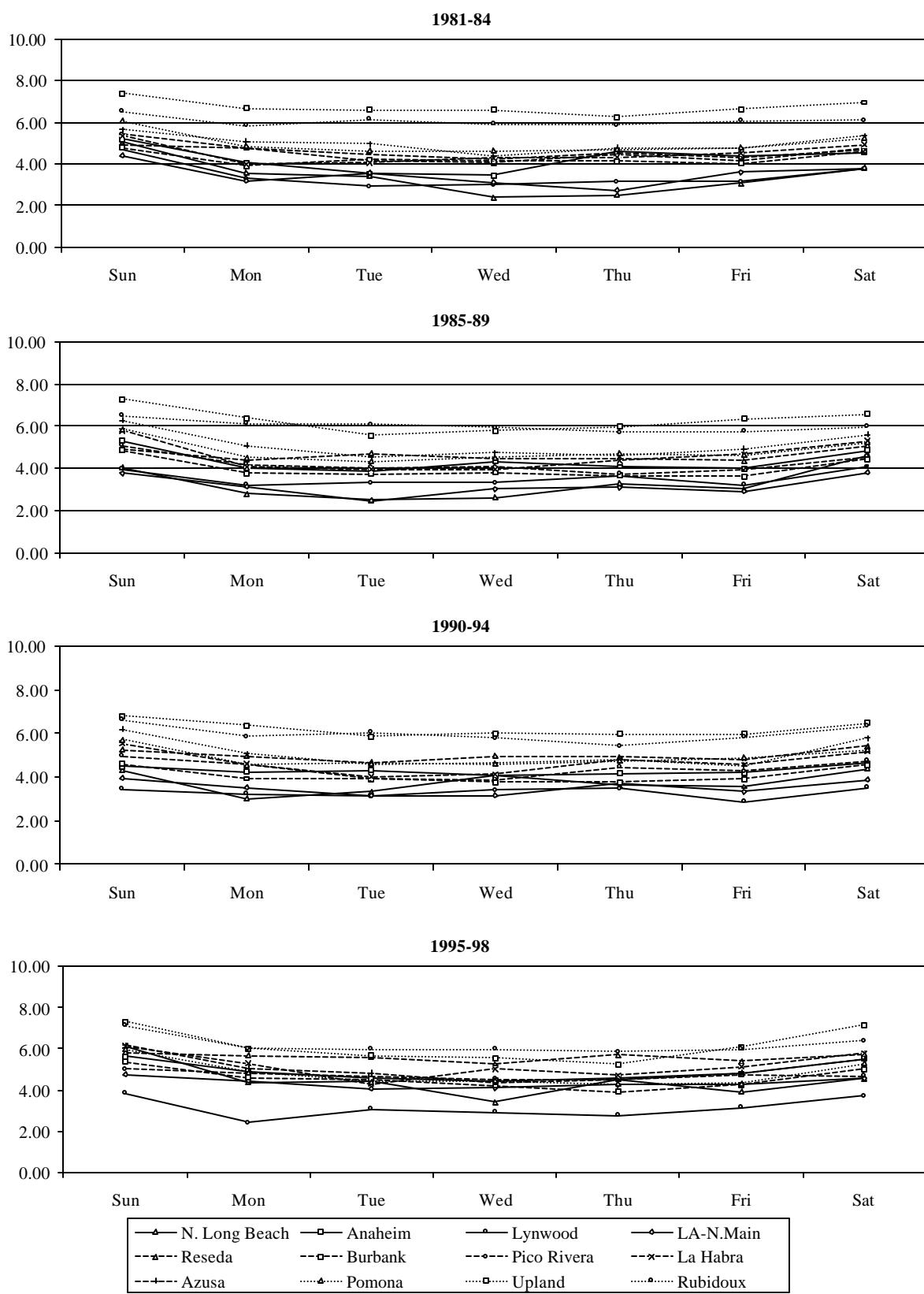


Figure 2.6-2. Duration (hours) of ozone accumulation by day of the week.

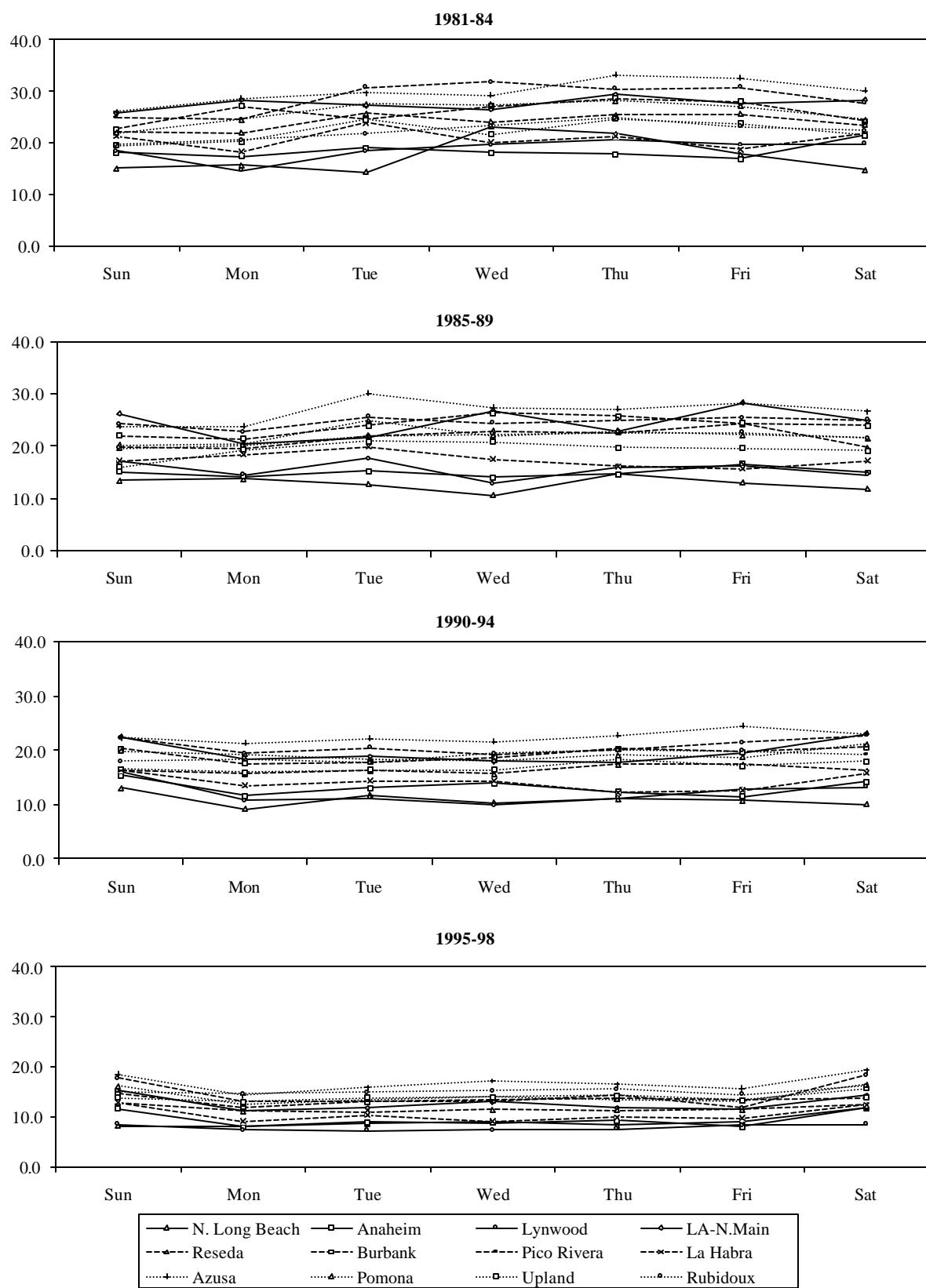


Figure 2.6-3. Ozone accumulation rate (ppb O₃ per hour) by day of the week.

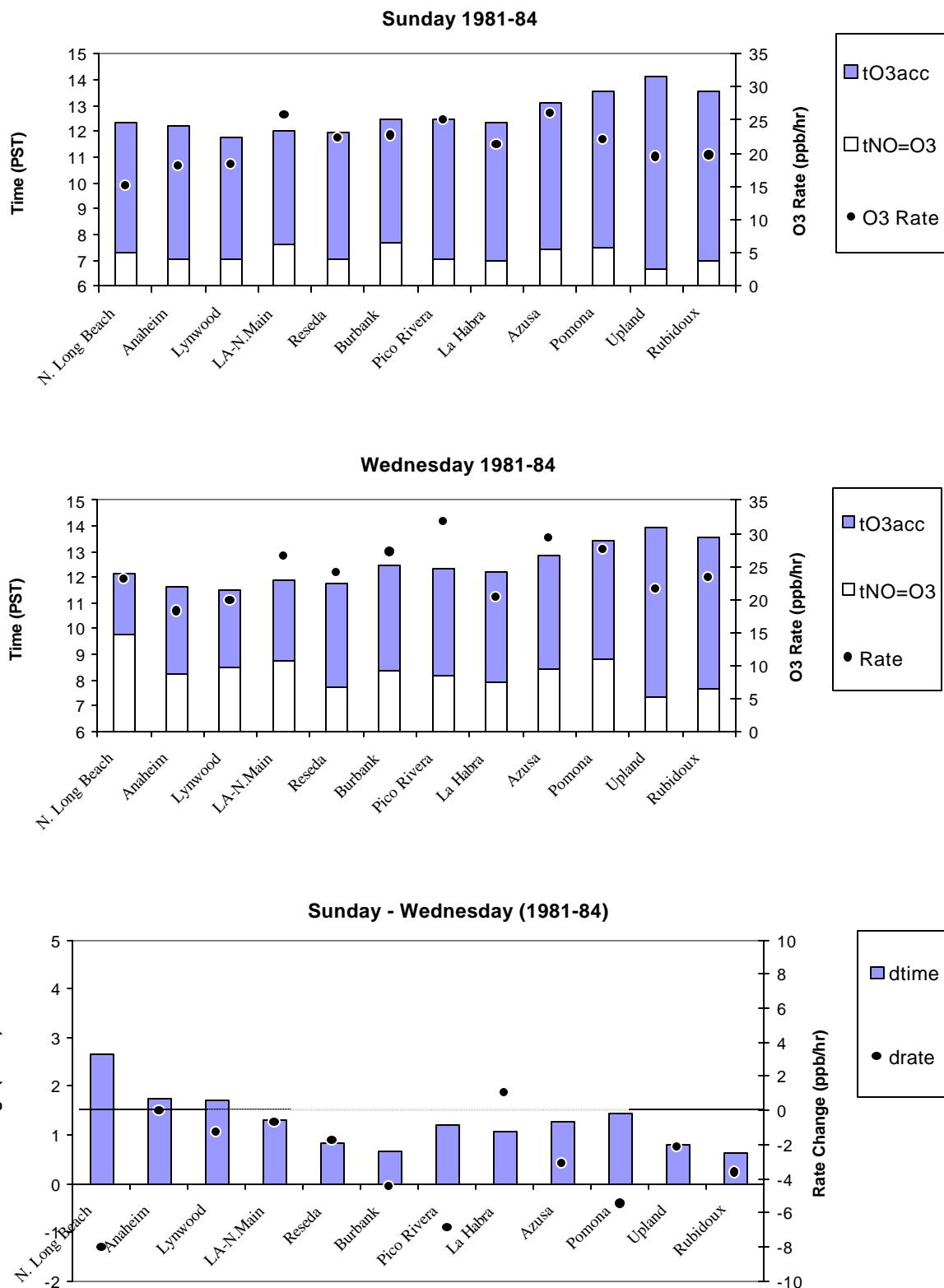


Figure 2.6-4. Average duration between $t_{NO=O_3}$ and t_{maxO_3} and average rates of accumulation of ozone on Sunday and Wednesday during 1981-84 and the differences.

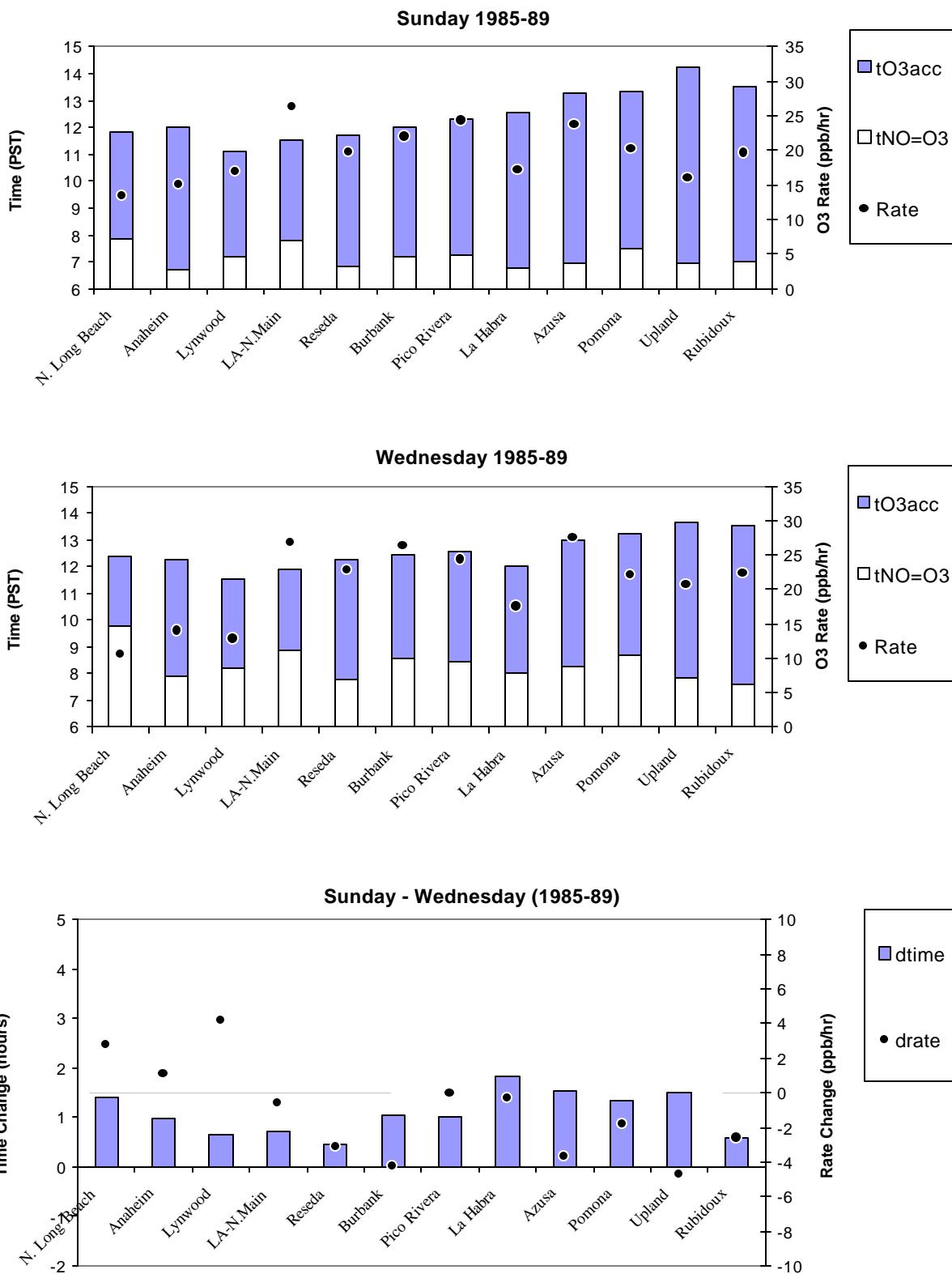


Figure 2.6-5. Average duration between $t_{NO=O_3}$ and t_{maxO_3} and average rates of accumulation of ozone on Sunday and Wednesday during 1985-89 and the differences.

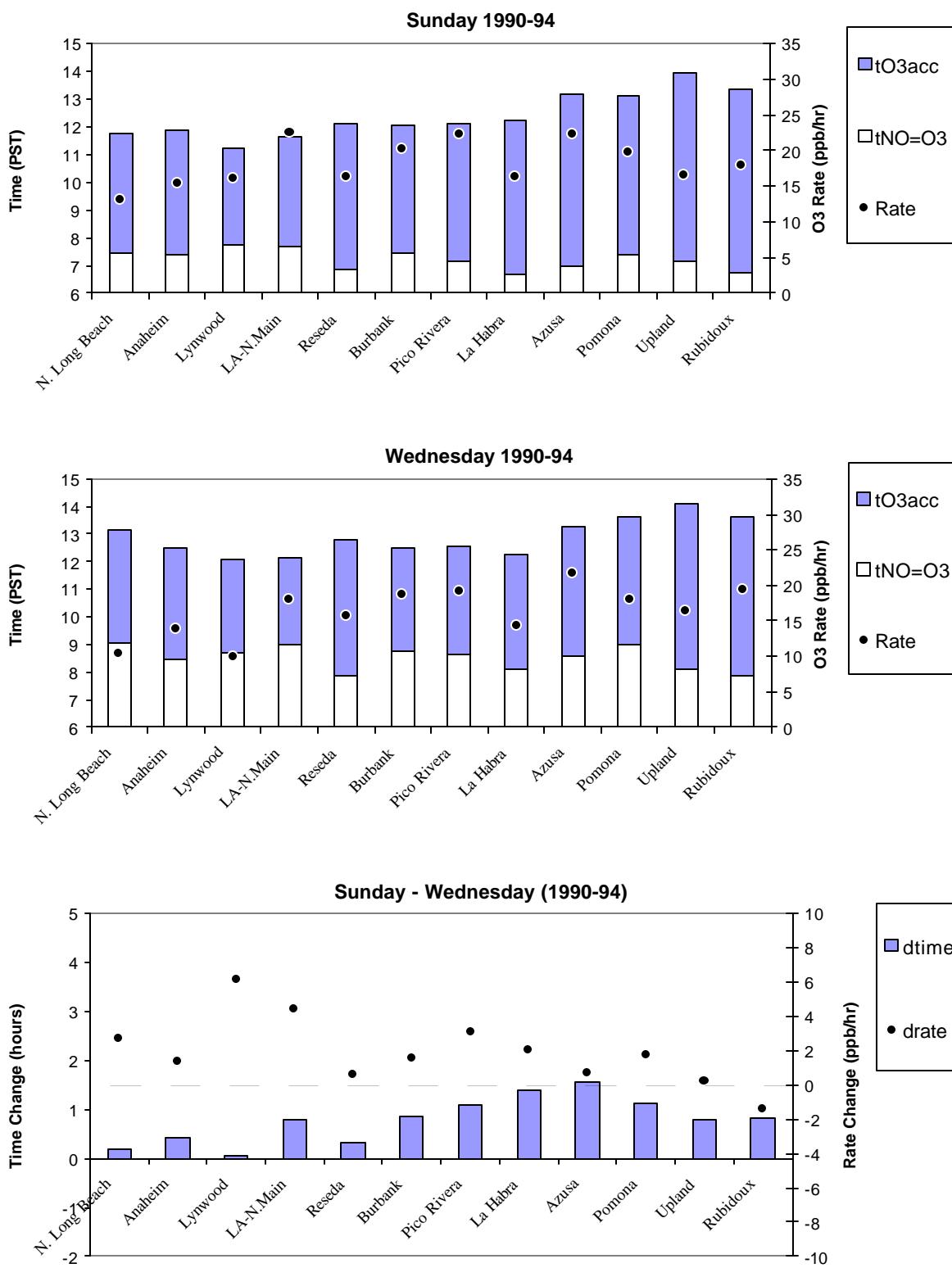


Figure 2.6-6. Average duration between $t_{NO=O_3}$ and t_{maxO_3} and average rates of accumulation of ozone on Sunday and Wednesday during 1990-94 and the differences.

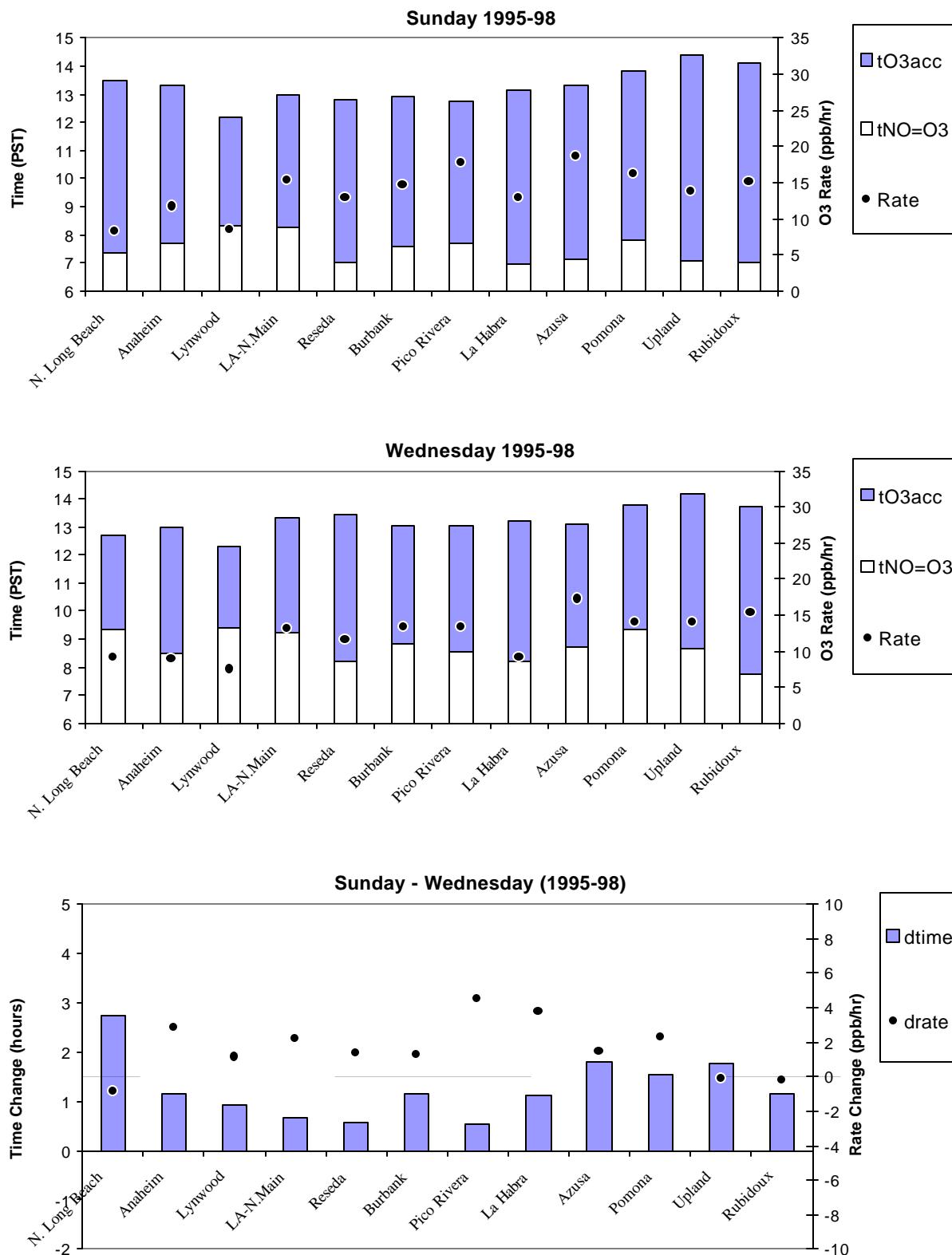


Figure 2.6-7. Average duration between $t_{NO=O_3}$ and t_{maxO_3} and average rates of accumulation of ozone on Sunday and Wednesday during 1990-94 and the differences.

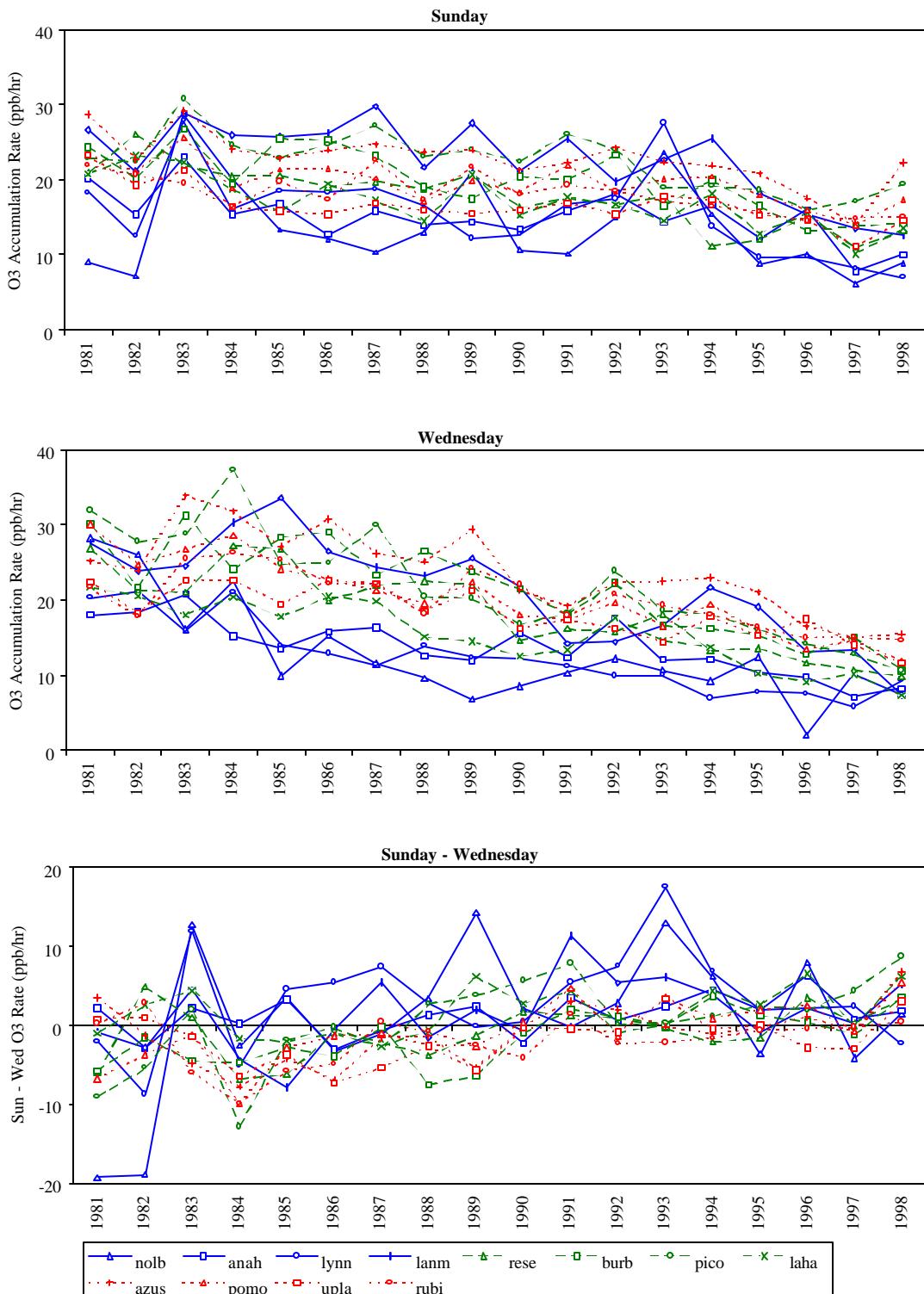


Figure 2.6-8. Trends in ozone accumulation rate by site for Sunday, Wednesday, and the difference between Sunday and Wednesday.

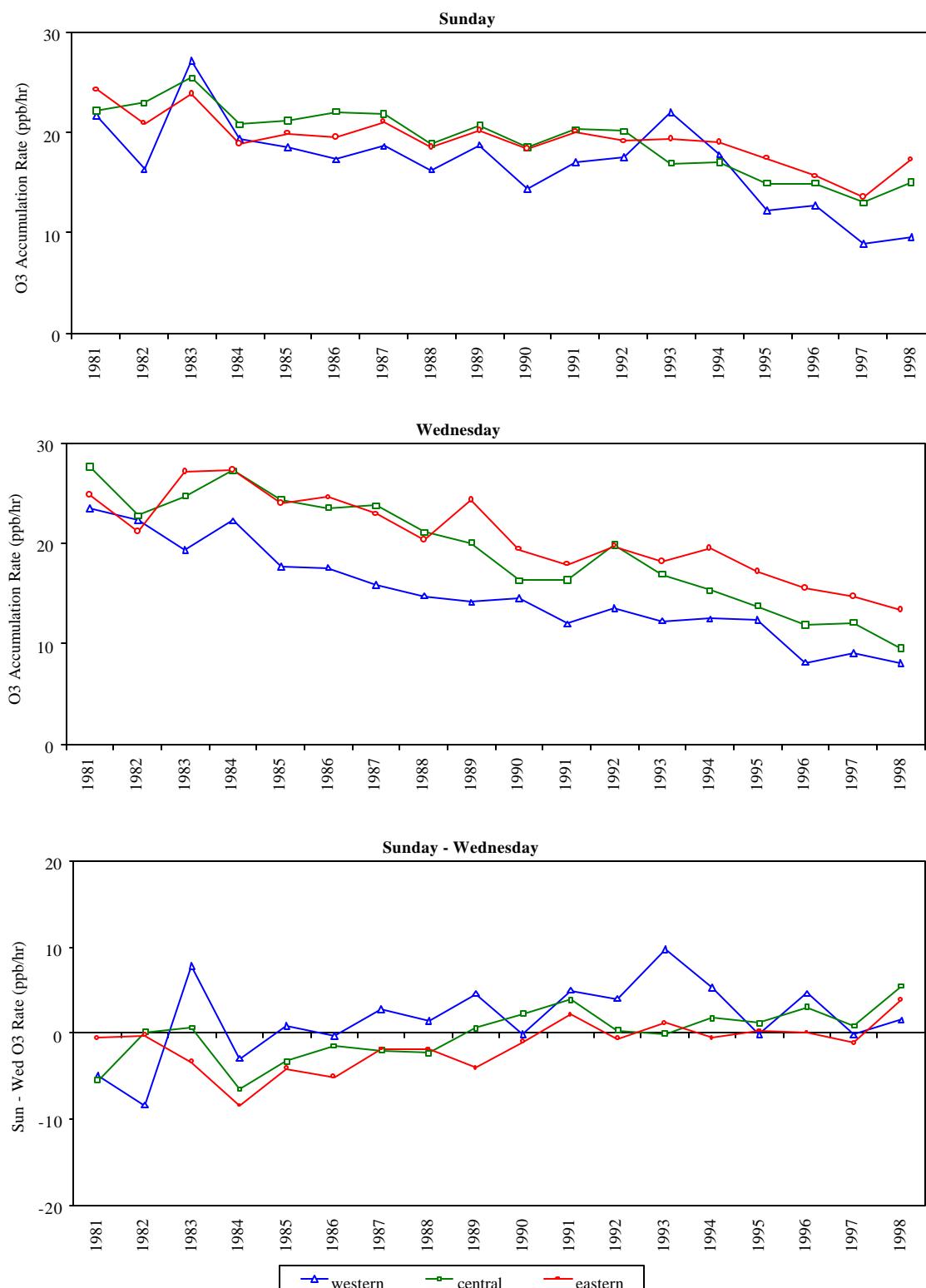


Figure 2.6-9. Trends in ozone accumulation rate for western, central, and eastern SoCAB for Sunday, Wednesday, and the difference between Sunday and Wednesday.

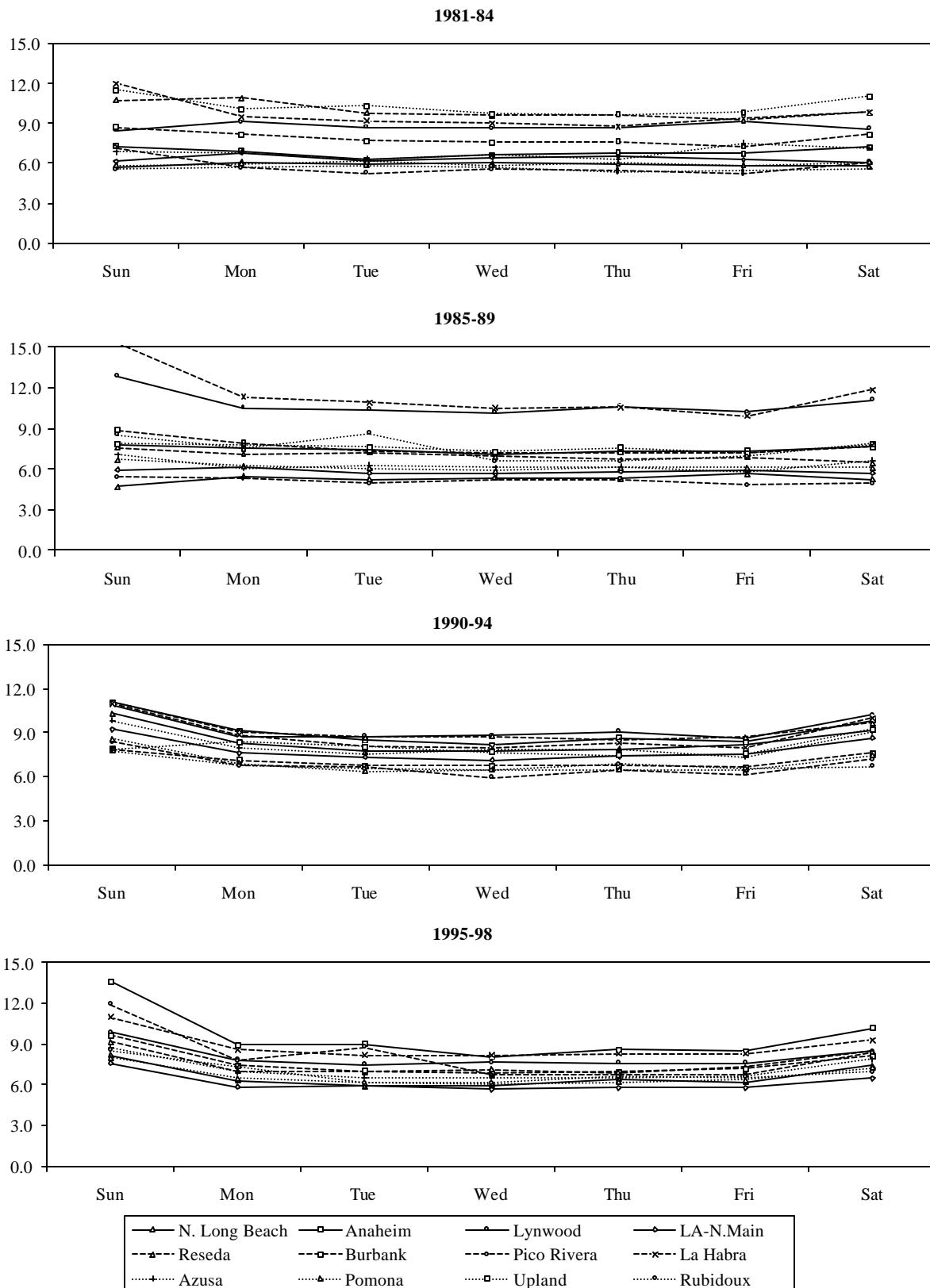


Figure 2.7-1. Average summer 6-7 a.m. (PST) NMHC/NOx in the SoCAB by day of the week.

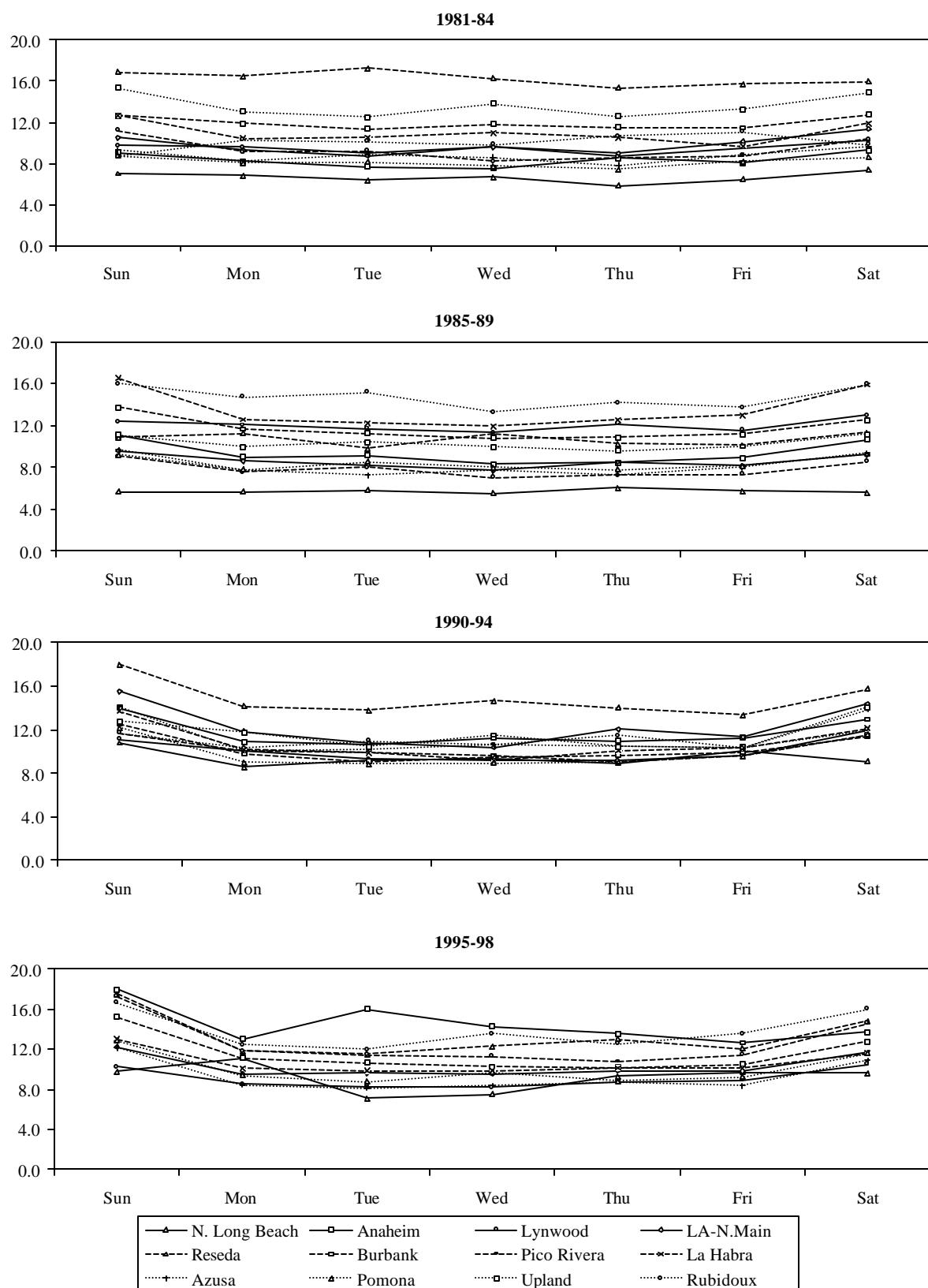


Figure 2.7-2. Average summer NMHC/NOx at maximum ozone in the SoCAB by day of week.